DOCUMENT RESUME

ED 058 862 HE 002 830

TITLE	Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1970. A Report to the President and Congress.
INSTITUTION	National Science Foundation, Washington, D.C.
REPORT NO	NSF-71-28
PUB DATE	Jul 71
NOTE	213p.
AVAILABLE FROM	Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (No.3800-0106; $1.25)
EDRS PRICE	MF-$0.65 HC-$9.87
DESCRIPTORS	*Federal Aid; *Financial Support; *Government Role; *Higher Education; *Scientific Research

ABSTRACT

This report is the third in a series of annual reports to the President and Congress on current patterns of Federal funding of research, development, and other science-related activities at universities, colleges, and other nonprofit institutions. The various categories covered in the report are: (1) trends in Federal support to universities and colleges; (2) total program activities; (3) Federal obligations for academic science; (4) Federal obligations for research and development; (5) Federally funded research and development centers administered by universities and colleges; (6) Federal support to independent research institutions; and (7) Federally funded research and development centers. Three concluding appendices contain technical notes, statistical tables, and information regarding Federal obligations to 2-year institutions. (HS)

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A REPORT TO THE PRESIDENT AND CONGRESS

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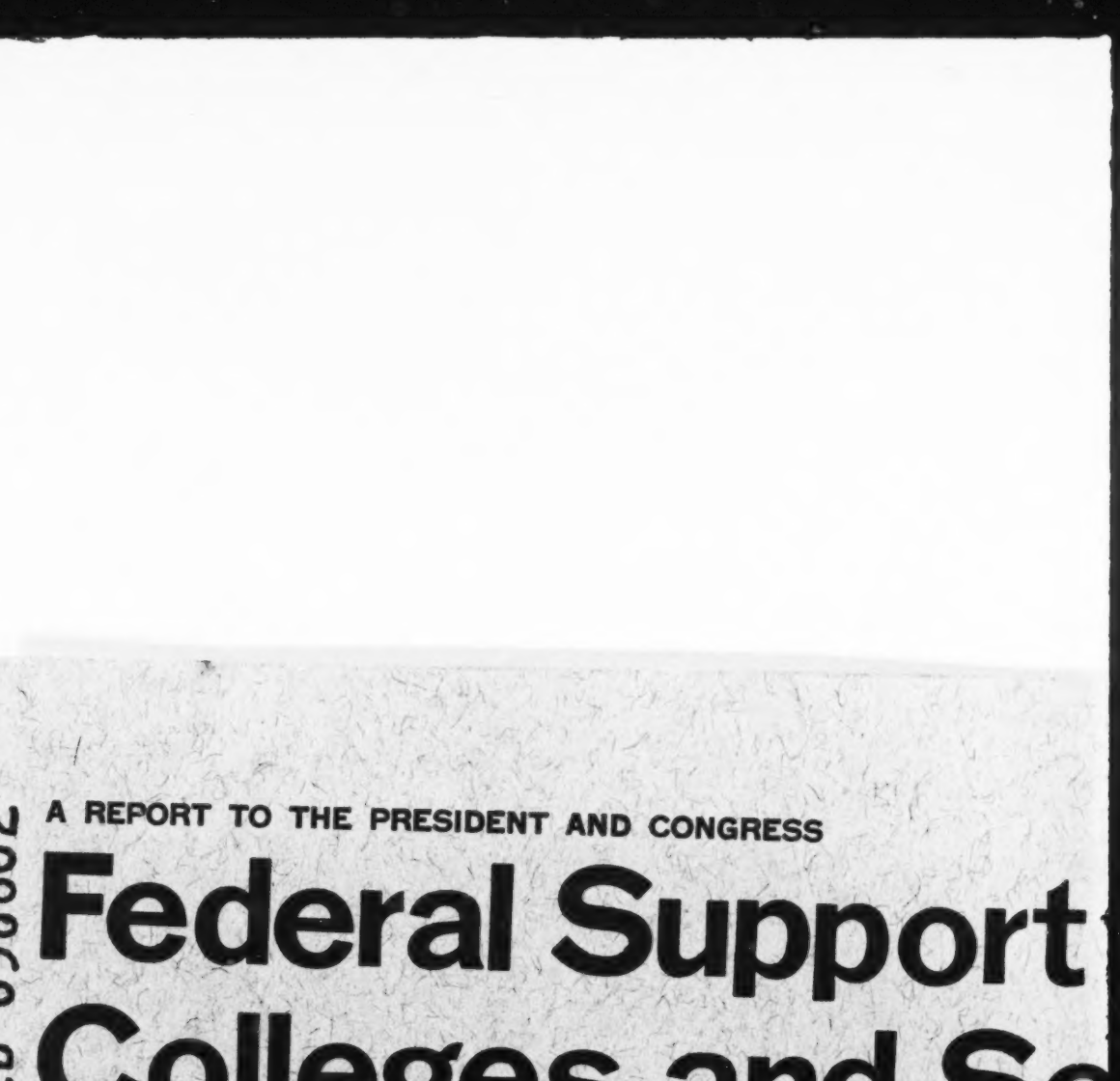

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OFFICE OF EDUCATION
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E R R A T A

P. 6 In the chart entitled, "Geographic distribution of total Federal obligations to universities and colleges, FY 1970, per degree granted, 1967-68," delete the word, "Million," from each of the lines shown in the legend. Amounts shown in the legend are actually in whole dollars.

P. 14 In the chart entitled, "Geographic distribution of Federal R&D obligations to universities and colleges, FY 1970, per Ph.D. degree awarded in the sciences and engineering, 1967-68," dollar amounts were omitted from the legend. The legend should read as follows:

1st 10	:	$160,462 - $989,167
2nd 10	:	$117,165 - $148,205
3rd 10	:	$ 94,088 - $117,140
4th 10	:	$ 79,334 - $ 90,603
All others	:	$ 34,648 - $ 78,390

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A REPORT TO THE PRESIDENT AND CONGRESS

Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1970

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GENERAL NOTES

- The Federal obligations in this study were reported by 13 agencies that accounted for more than 95 percent of all Federal support to universities and colleges and approximately 85 percent of Federal obligations to research institutes and Federally Funded Research and Development Centers administered by nonprofit institutions.
- Hospitals, professional and technical societies, academies of science, museums, and philanthropic foundations are not included in this study. These types of organizations account for approximately 40 percent of total Federal R&D support to nonprofit institutions.
- Federal obligations are reported for the Federal fiscal year, ending June 30 of the year shown.
- Educational data are for the academic year, 1967-68.

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acknowledgments

This report was developed in the Statistical Surveys and Reports Section, National Science Foundation, under special guidance of Kenneth Sanow, Head. The survey was conducted and the report prepared under the direction of William L. Stewart, Study Director, Federal Academic Science Studies Group. The data were compiled and the report written by Cecelia Hilgert and Robert Loycano. Irene Woodall supervised the preparation of statistical material.

LETTER OF TRANSMITTAL

Washington, D.C.

DEAR MR. PRESIDENT:

I have the honor to transmit to you this report, *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions, Fiscal Year 1970* as required by the National Science Foundation Act as amended through August 1968.

Respectfully,

W. D. McELROY,
Director,
National Science Foundation.

The Honorable
The President of the United States

Identical letters have been sent to:
The President of the Senate.
The Speaker of the House of Representatives.

FOREWORD

This report is the third in a series of annual reports to the President and Congress on current patterns of Federal funding of research, development, and other science-related activities at universities, colleges, and other nonprofit institutions, as required by the 1968 amendment to the NSF Act of 1950. The report is designed to serve as an aid to the determination of science funding policies by providing analyses of the agency, geographic, and institutional patterns of Federal academic science support.

The report was prepared under the general direction of Charles E. Falk, Director, Division of Science Resources Studies. The Data Management Systems Office, Edgar W. Barrett, Data Management Systems Officer, was responsible for processing the data.

W. D. McElroy, *Director*
National Science Foundation

July 1971.

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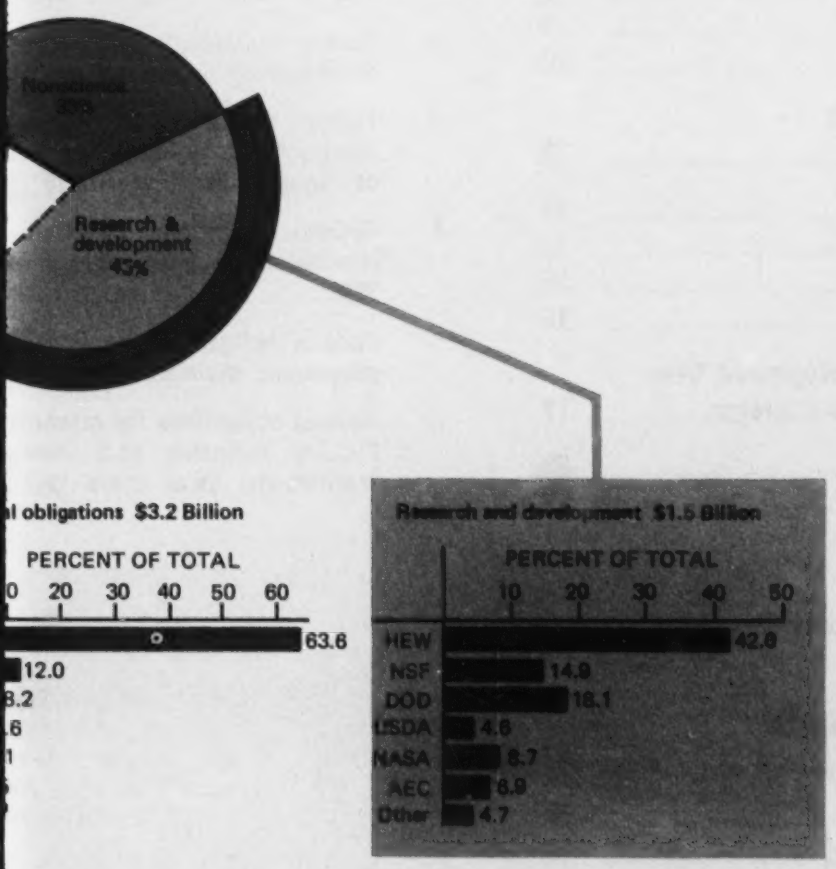
Distribution of Federal support to universities and colleges, by type of activity and agency, FY 1970

SUMMARY

d colleges, by type of activity and agency, FY 1970

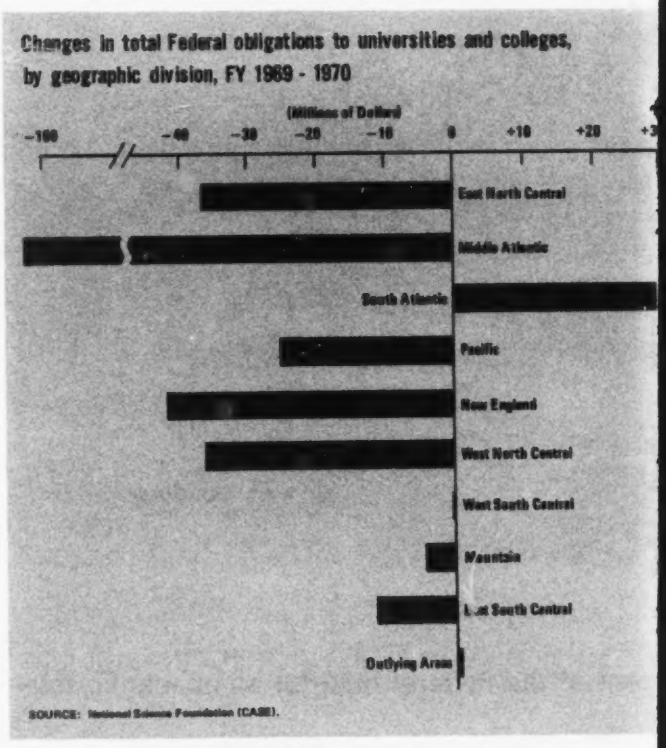


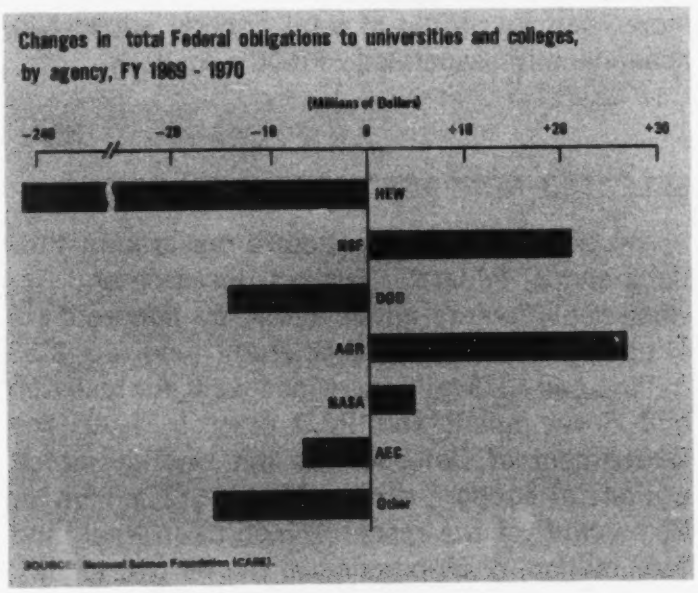
TOTAL PROGRAM SUPPORT

Between fiscal years 1969 and 1970 Federal funds to universities and colleges declined by $227 million, or nearly 7 percent, to a level of $3,227 million. This represents the lowest level of funding since 1966 and the first decline, in actual dollars, in direct Federal support since 1963, the first year for which complete data are available. Much of the decline in Federal support may be attributed to a recent shift in Government policy away from direct Federal grants for facilities construction to subsidized interest charges on loans from non-Government sources. Initiation of this new policy had the effect of reducing the Office of Education's (OE's) grants for the construction of facilities from $248 million in fiscal year 1969 to $73 million in fiscal year 1970.

AGENCY DISTRIBUTION

Of the 13 agencies included in this study, 6 allocated 97 percent of all Federal obligations to universities and colleges in 1970. Despite a 1969-70 net drop of $242 million in total direct support from the Department of Health, Education, and Welfare (HEW) for higher education, this agency continues to be the principal source of Federal agency funds—awarding 64 percent of all Federal obligations in 1970. At considerably lower levels were the National Science Foundation (NSF) and the Department of Defense (DOD). Together, these agencies accounted for less than one-third of the HEW total and about 20 percent of the Federal total. Fluctuations in funding levels of NSF, DOD, and the remaining three major agency sources of support—Department of Agriculture (USDA), National Aeronautics and Space Administration (NASA), and Atomic Energy Commission (AEC)—were small and did not exhibit any particular pattern of change.





GEOGRAPHIC DISTRIBUTION

In 1970 the East North Central division replac the Middle Atlantic States as the leading gro of States receiving Federal support. Of the $1 million decline in funds to the Middle Atlan States, New Jersey accounted for $44 millio New York, $42 million; and Pennsylvania, $ million. The 47-percent drop in support to N Jersey is in large part due to a return to a m normal funding level for that State, whose to in 1969 was increased by a $35 million grant the New Jersey College of Medicine and D tistry. Among the nine major geographic divisi the only increase in 1970 support, compa with 1969, occurred in the third-ranked So Atlantic division, which showed a net increase 6 percent, or $29 million. The increase in South Atlantic total for 1970 was primarily att utable to higher totals for Florida, the District Columbia, and Virginia.

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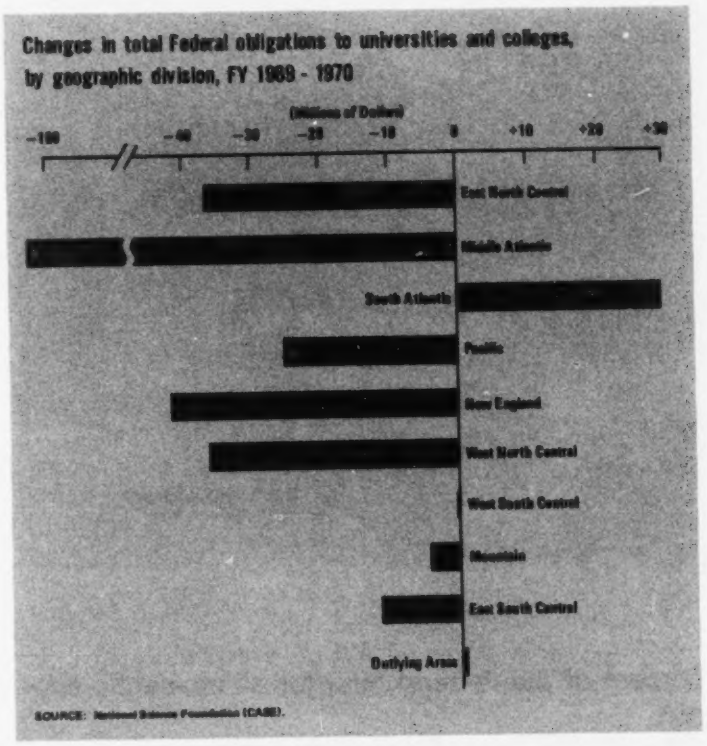


GEOGRAPHIC DISTRIBUTION

In 1970 the East North Central division replaced the Middle Atlantic States as the leading group of States receiving Federal support. Of the $102 million decline in funds to the Middle Atlantic States, New Jersey accounted for $44 million; New York, $42 million; and Pennsylvania, $16 million. The 47-percent drop in support to New Jersey is in large part due to a return to a more normal funding level for that State, whose total in 1969 was increased by a $35 million grant to the New Jersey College of Medicine and Dentistry. Among the nine major geographic divisions the only increase in 1970 support, compared with 1969, occurred in the third-ranked South Atlantic division, which showed a net increase of 6 percent, or $29 million. The increase in the South Atlantic total for 1970 was primarily attributable to higher totals for Florida, the District of Columbia, and Virginia.

RANKING OF INSTITUTIONS

Although funding to the first 100 institutions in total Federal support fell by 4 percent—$98 million—from 1969 to 1970, relative concentration of funds for this group of institutions increased from 69 percent to 71 percent of total obligations to all universities and colleges.

The Massachusetts Institute of Technology (MIT), the leading recipient of Federal funds for each of the last 8 years, in 1970 became the first institution to go over the $100 million level in Federal support. The figure for MIT was 70 percent higher than the total reported for second-ranked University of Michigan. DOD and NASA allocated 17 percent and 20 percent, respectively, of their total academic R&D funds to MIT, and accounted for 70 percent of total Federal obligations to this institution in 1970.

For other institutions in the first 100, however, there was a wide range of funding changes. The University of Cincinnati moved up from 71st position in 1969 to ninth place in 1970. The unusually high ranking for this university in 1970 was the result of a $34.2 million—263-percent—increase in Federal support, virtually all of it from the National Institutes of Health (NIH) for the construction and improvement of medical school facilities. Harvard University, on the other hand, experienced a $14 million—20-percent—decline in Federal funds, lowering this institution from second place in 1969 to fourth place in 1970.

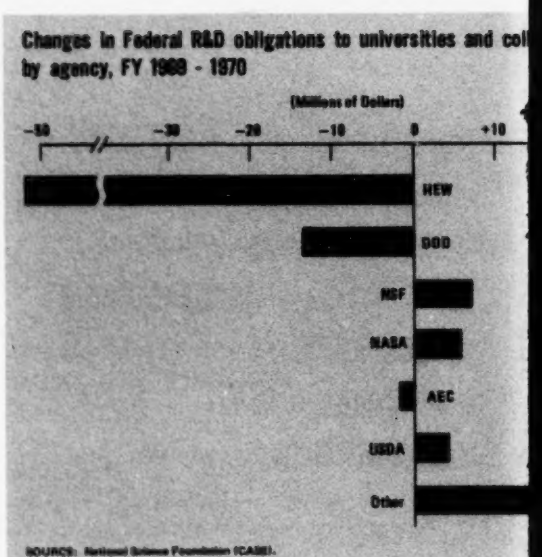
ACADEMIC SCIENCE

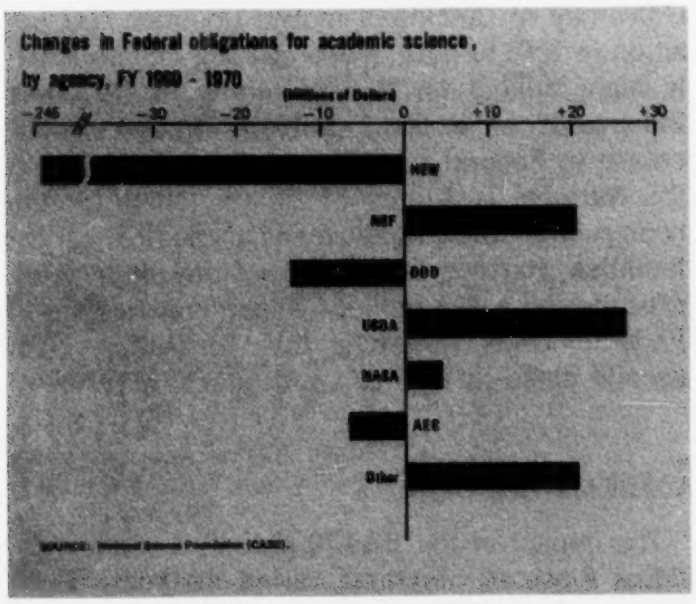
The impact of the 1969-70 reduction upon individual types of programs varied markedly. Academic science funding fell by $193 million, or 8 percent—a dollar decrease nearly 6 times the $33 million decline, or 3 percent, in nonscience support.

Among the six agencies providing major academic science support, $100 million or more, HEW, DOD, and AEC reported reductions of $245 million (19 percent), $13 million (5 percent), and

$7 million (5 percent), respectively. The increases reported by the remaining agencies were not sufficient to offset the sharp reduction in the level of HEW funding. However, the Department of Agriculture, placing more emphasis on its agricultural extension program, showed a significant increase in 1970—$26 million, or 17 percent, over the previous year.

HEW's quarter-billion-dollar decline in academic science support had a considerable effect on the science-nonscience mix of funds, at both the agency and Government-wide levels. In 1970 HEW academic science support fell below its nonscience total for the first time. At the all-agency level, nonscience funding, although declining by $33 million, increased its share of total Federal program support for the sixth consecutive year to 33 percent.





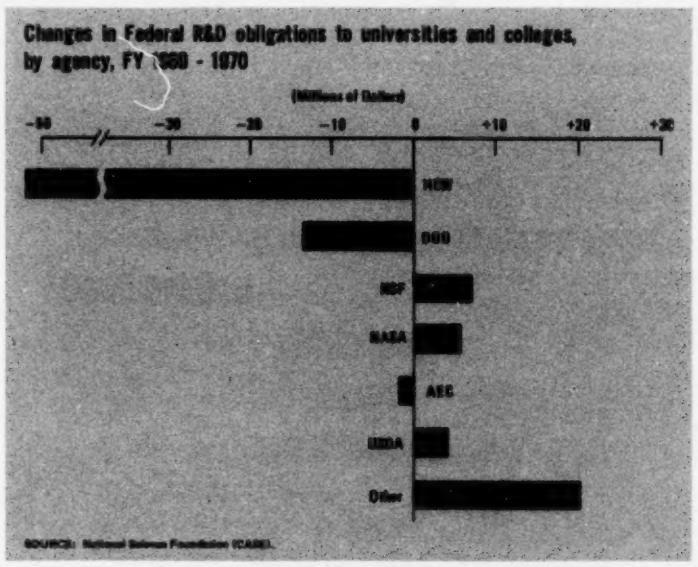
RESEARCH AND DEVELOPMENT

Federal obligations for the performance of research and development at universities and colleges in 1970 amounted to $1,464 million, or 45 percent of the Federal total for all aca port.

The most notable 1969-70 R&D c cured in the totals reported by HE whose R&D operations support leve percent and 5 percent, respectively. subdivision of HEW, except the Foo Administration (FDA), reported sizab in its academic R&D totals. DOD's R&D total was in large part a result gressional requirement that DOD li port of research to that which has apparent relationship to its defer (section 203 of the Armed Services Ap Act, Fiscal Year 1970).

CONCENTRATION OF R&D FUNDS

Between 1969 and 1970 the 2-perce in Federal R&D obligations was acc a 5-percent reduction in the number institutions receiving such support. institutions awarded Federal R&D fu the 10 receiving the largest amount



percent of the Federal total for all academic support.

The most notable 1969-70 R&D declines occured in the totals reported by HEW and DOD whose R&D operations support levels fell by 8 percent and 5 percent, respectively. Every major subdivision of HEW, except the Food and Drug Administration (FDA), reported sizable declines in its academic R&D totals. DOD's lower 1970 R&D total was in large part a result of the congressional requirement that DOD limit its support of research to that which has a direct and apparent relationship to its defense mission (section 203 of the Armed Services Appropriations Act, Fiscal Year 1970).

CONCENTRATION OF R&D FUNDS

Between 1969 and 1970 the 2-percent reduction in Federal R&D obligations was accompanied by a 5-percent reduction in the number of academic institutions receiving such support. Of the 585 institutions awarded Federal R&D funds in 1970, the 10 receiving the largest amounts accounted for $403 million. Although representing less than 2 percent of all universities and colleges receiving Federal R&D support in 1970, these 10 institutions account for more than one-fourth of total R&D funds and more than one-fifth of total Ph.D. degrees awarded in the sciences and engineering. The concentration of total R&D funds going to this group of institutions increased slightly—from 26.5 percent in 1969 to 27.5 percent in 1970. The largest R&D increase at the institution level, $6.2 million, went to the University of California-San Diego.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS ADMINISTERED BY UNIVERSITIES AND COLLEGES

Federally Funded Research and Development Centers (FFRDC's) administered by universities and colleges, 36 separately incorporated organizations performing R&D work upon direct request or under a broad charter from a Federal agency, received $961 million in Federal support in 1970. This sum, representing a 5-percent increase over 1969, was the largest amount of funds ever reported for these institutions. The Atomic Energy Commission and the National Aeronautics and Space Administration together accounted for more than four-fifths of total Federal support to academically associated FFRDC's in 1970.

SELECTED NONPROFIT INSTITUTIONS

The 54 independent, nonprofit research institutions and 27 Federally Funded Research and Development Centers administered by nonprofit institutions included in this study received $158 million and $273 million, respectively, for research and development and R&D plant in 1970. The Department of Defense was the leading source of Federal support, accounting for $82 million, or 52 percent, of the research institution total, and $162 million, or 59 percent, of the FFRDC total.

BACKGROUND

This report is intended to fill two roles. It constitutes the third in a series of annual reports to the President and Congress, authorized by Section 3(a)(7) of the National Science Foundation Act of 1950, as amended in August 1968, on Federal obligations for research and development and R&D plant at institutions of higher education and selected other nonprofit organizations. It also represents the sixth annual report on Federal obligations for academic science and other educational activities. This latter responsibility was undertaken by the National Science Foundation on behalf of the Committee on Academic Science and Engineering (CASE) of the Federal Council on Science and Technology (FCST) which, in 1965, established the data collection system that now serves the needs of both report objectives.

As a report to the President and Congress, this publication contains several sections that focus on the distribution and pattern of Federal obligations for research and development among the Nation's universities, colleges, associated Federally Funded Research and Development Centers (FFRDC's), and selected other nonprofit institutions. The report provides analyses of this Federal support by geographic locality and institution including comparisons of the relationship between the distribution of Federal R&D support and certain educational variables such as the distribution of science degrees awarded. Sections of the report primarily devoted to a discussion of Federal R&D obligations are 4 and 5 of part I, and all of part II.

The FCST's scope of interest covers n
Federal R&D support to universities, colleg
associated FFRDC's, but also Federal
amounting to nearly $2 billion annually fo
science and nonscience programs.[1] The en
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and nonscience activities).

This report is expected to provide an ar
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and (2) improving the geographical and
tional balance in the distribution of Federa
The latter objective involves an examin
funding patterns within the context of an a
scientific mission and the availability of s
resources (both actual and potential) am
various States and institutions.

SCOPE AND LIMITATIONS OF DATA

Data included in this report for fiscal y
were reported by 13 Federal agencies:

Department of Agriculture
Atomic Energy Commission
Department of Commerce
Department of Defense
Department of Health, Education, and Welfare

[1] The CASE data system, as originally establi
not encompass data for "selected other nonprof
tions."

INTRODUCTION

The FCST's scope of interest covers not only Federal R&D support to universities, colleges, and associated FFRDC's, but also Federal funds amounting to nearly $2 billion annually for other science and nonscience programs.[1] The emphasis in the remaining sections, therefore, is placed on two broader views of Federal involvement in higher education: (1) academic science support and (2) total program support (encompassing science and nonscience activities).

This report is expected to provide an analytical tool to the science policymaking branches of Government in developing programs for (1) increasing scientific capability among the various institutions and (2) improving the geographical and institutional balance in the distribution of Federal funds. The latter objective involves an examination of funding patterns within the context of an agency's scientific mission and the availability of scientific resources (both actual and potential) among the various States and institutions.

SCOPE AND LIMITATIONS OF DATA

Data included in this report for fiscal year 1970 were reported by 13 Federal agencies:

Department of Agriculture
Atomic Energy Commission
Department of Commerce
Department of Defense
Department of Health, Education, and Welfare
Department of the Interior
National Aeronautics and Space Administration
National Science Foundation
Office of Economic Opportunity
Department of Housing and Urban Development
Department of Transportation
Department of Labor
Agency for International Development

Eight agencies were included in the survey for each of the years 1963-67, 12 for 1968 and 1969, and 13 for 1970. The additional agencies in each of the last 3 years constitute the "other agencies" category used throughout the report in tabulations and discussions concerned with agency detail.

Excluding the Atomic Energy Commission, which reported in terms of costs, dollar amounts represent actual obligations incurred by the agencies during a fiscal year, regardless of when the funds were expended. Funds from the responding agencies comprised more than 95 percent of all Federal support going to the institutions covered by this study. In 1970 these institutions included 2,352 universities and colleges, 36 academically associated FFRDC's, 54 selected research performing organizations, and 27 FFRDC's managed by nonprofit institutions.

Obligations data for universities and colleges include Federal support awarded directly to individual institutions. Excluded are loans, funds for Federal employee training, and funds obligated to State agencies for support of higher education. Annual totals shown in this report represent funds obligated by Federal agencies during the Government's fiscal year, beginning July 1 and ending

[1] The CASE data system, as originally established, did not encompass data for "selected other nonprofit institutions."

June 30. The date of award as recorded by a Federal agency may differ from the date an award is received or accepted by an institution. For this reason, there may not be strict comparability between totals reported by Federal agencies and those computed by the institutions themselves.

Another source of difference between Federal agencies' and individual institutions' totals is the reporting of obligations to "central systems"—obligations that are reported under a university systemwide entry and not in terms of the final distribution to individual institutions o the system. The funding agency usua report the individual institutional am cause the agency is not able to det the time the award is made how the fu distributed among institutions within t "Central system" totals in this report to more than $34 million obligated to 2 systems in fiscal year 1970.[2] Although obligations represent only 1 percent obligations to all U.S. institutions of h

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distribution to individual institutions comprising the system. The funding agency usually cannot report the individual institutional amounts because the agency is not able to determine at the time the award is made how the funds will be distributed among institutions within the system. "Central system" totals in this report amounted to more than $34 million obligated to 21 different systems in fiscal year 1970.[2] Although these total obligations represent only 1 percent of Federal obligations to all U.S. institutions of higher education, the ratio of these undistributed obligations to a system's total obligations is generally much higher than 1 percent. The effect on some individual institutional totals can be significant since obligations reported for member institutions of a system are understated to the extent that "central system" obligations filter down to them.

[2] A list of the 21 systems receiving obligations in fiscal year 1970 can be found in the technical notes, appendix A, p. 34. Dollar amounts are shown in appendix tables C-13, C-14, C-15.

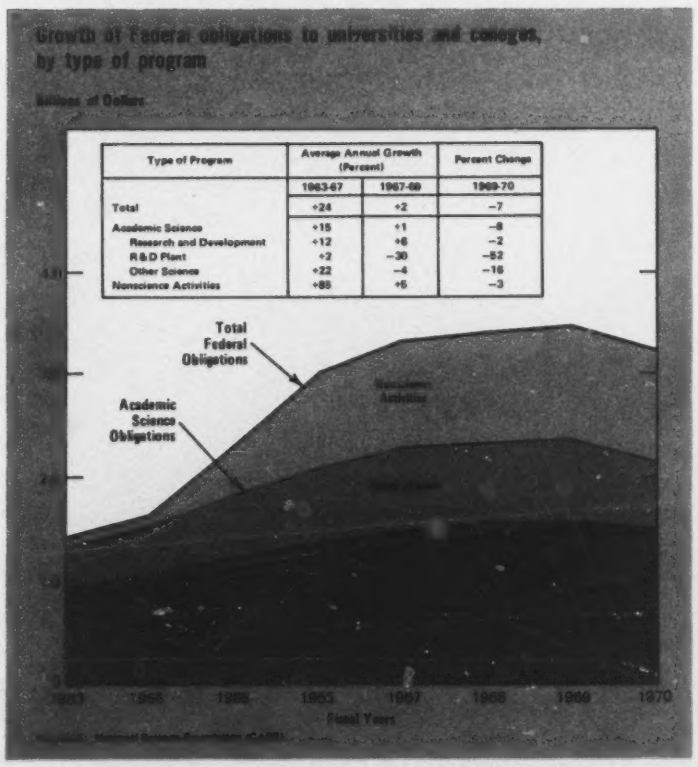
PART I

federal support to universities and colleges

SECTION 1.

trends in federal support to universities and coll

In fiscal year 1970 Federal obligations to institutions of higher education declined by 7 percent to $3,227 million, the lowest level since 1966. Federal support to universities and colleges increased in each of the years between 1963 and 1969. The decline of total Federal aid in 1970, therefore, represented the first reduction in funds going to institutions of higher education in the 8 years for which data have been available.


Growth of Federal obligations to universities and colleges, by type of program
Billions of Dollars
Total Federal Obligations
Academic Science Obligations
Fiscal Years

Type of Program	Average Annual Growth (Percent)		Percent Change
	1963-67	1967-69	1969-70
Total	+24	+2	−7
Academic Science	+15	+1	−8
Research and Development	+12	+6	−2
R&D Plant	+2	−30	−52
Other Science	+22	−4	−16
Nonscience Activities	+85	+5	−3

There are notable differences bet
in Federal aid to higher education
of (1) total Federal budget outlays
of the economy), (2) gross na
(GNP) and (3) total higher educatio
In the 1967-70 period Federal obl
higher education programs and aca
showed minimal growth in 1968 an
clined by 7 percent and 8 perce
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the GNP each grew at an average
7 percent over the 3-year period.
penditures by institutions of hig
increased at an annual rate of
this interval. This latter compari
that the proportion of total higher
penses (exclusive of loans) borne
Government has shown a mark
1967, for example, Federal obligat
sities and colleges amounted to ap
percent of total expenditures by a
tutions; by 1970 this proportion h
14 percent.

TOTAL OBLIGATIONS BY AGENCY ACTIVITY

In each year since 1963 institu
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three-fourths of their total Federa
two agencies, HEW and NSF. Si
has obligated more funds to acade

support to universities and colleges

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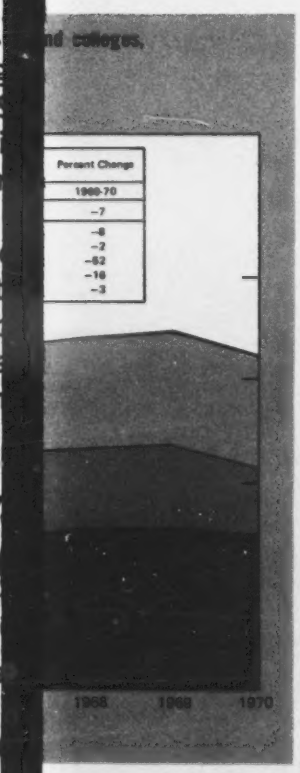
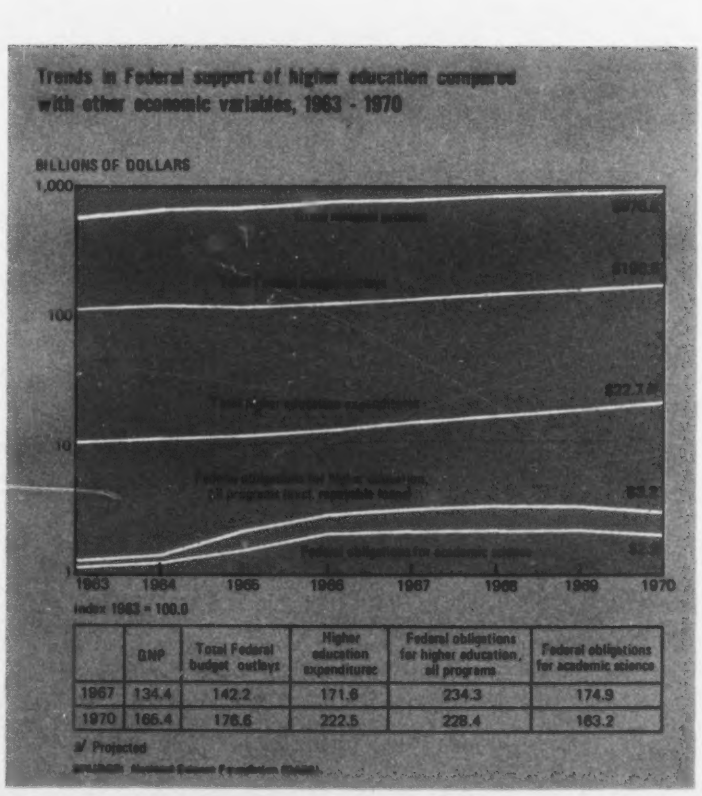


There are notable differences between the trend in Federal aid to higher education and the trends of (1) total Federal budget outlays (to all sectors of the economy), (2) gross national product (GNP) and (3) total higher education expenditures. In the 1967-70 period Federal obligations for all higher education programs and academic science showed minimal growth in 1968 and 1969 and declined by 7 percent and 8 percent in 1970, respectively, while total Federal budget outlays and the GNP each grew at an average annual rate of 7 percent over the 3-year period. Moreover, expenditures by institutions of higher education increased at an annual rate of 9 percent over this interval. This latter comparison illustrates that the proportion of total higher education expenses (exclusive of loans) borne by the Federal Government has shown a marked decline. In 1967, for example, Federal obligations to universities and colleges amounted to approximately 19 percent of total expenditures by academic institutions; by 1970 this proportion had dropped to 14 percent.

TOTAL OBLIGATIONS BY AGENCY AND TYPE OF ACTIVITY

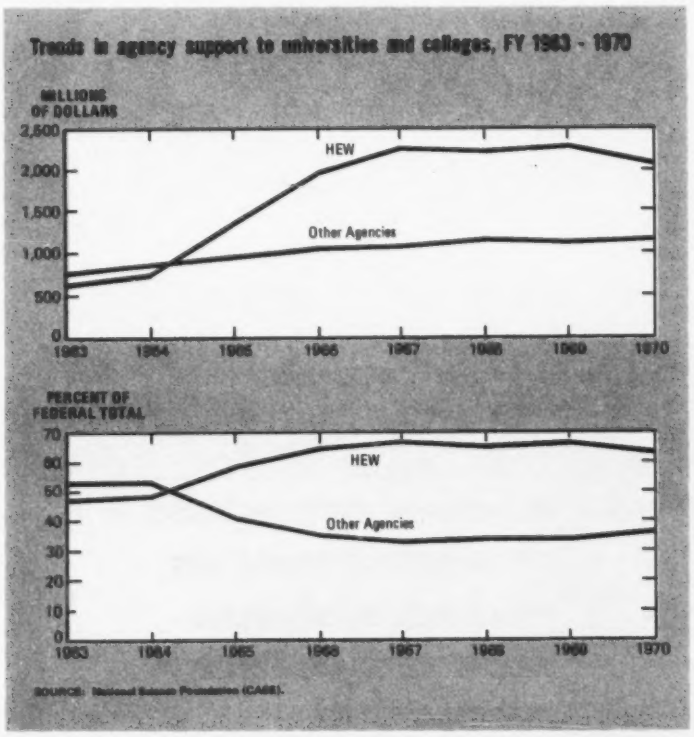
In each year since 1963 institutions of higher education have received between two-thirds and three-fourths of their total Federal support from two agencies, HEW and NSF. Since 1965 HEW has obligated more funds to academic institutions



	GNP	Total Federal budget outlays	Higher education expenditures	Federal obligations for higher education, all programs	Federal obligations for academic science
1967	134.4	142.2	171.6	234.3	174.9
1970	165.4	176.6	222.5	228.4	163.2

a/ Projected

than all other agencies combined, and more than 5 times as much as second-ranked NSF—although HEW's funding in the last 3 years has shown a slight decline. Over the past 3 years NSF's share of the Federal total for all program support has fluctuated between 11 percent and 13 percent. The proportion of funds accounted for by the other agencies, after falling off sharply from 35 percent of the Federal total in 1963 to 21 percent



in 1967, rose steadily since then to more than 24 percent in 1970. Much of this increase may be attributed to the inclusion of five agencies that, prior to 1968, were either not in existence or did not award sufficiently large amounts of funds to universities and colleges to be included in earlier reports[1]

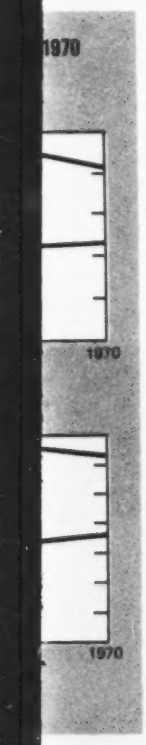
The impact of the 1969-70 reduction upon individual types of programs varied markedly. Academic science funding fell by $193 million, or 8 percent, a decrease nearly 6 times the $33 million decline, or 3 percent, in nonscience support. The sizable decrease in academic science support, following 2 years of minimal growth, brough Federal academic science outlays to the lowe dollar level since 1966, and reduced the academ science portion of total program support to percent. Nonscience funding, on the other han although declining by $33 million, increased i share of total program support for the sixth co secutive year, from 6 percent in 1964 to 33 pe cent in 1970.

Much of the 1969-70 decline in Federal suppo may be attributed to a recent shift in Governme policy away from direct Federal support of faci ties toward the subsidizing of interest paymen on loans financed through non-Governme sources. This new policy had the effect of redu ing the Office of Education's grants for the co struction of facilities by $175 million betwe 1969 and 1970.

Academic science activities reflected the sa pattern of change found at the Federal-wide le for most of the major funding agencies. The p tern for the National Science Foundation, ho ever, in the last 2 years varied considerably fr the norm. In 1969 NSF's total support declined 13.2 percent, compared to a 0.5-percent increa at the all-agencies level; in 1970 NSF funding creased by 5.6 percent, while Federal obligatio as a whole declined by 8.2 percent.

Following a period of continuous grow throughout the first 7 years, Federal obligatio for academic research and development declin in 1970 by $31 million, to $1,464 million. Althou the decrease in obligations for R&D operatio measured only 2.1 percent, the smallest relat decline among the various categories of supp the impact on the actual level of R&D activit and the capability to perform future research v much greater than the 2.1-percent reduct would indicate—due to (1) the decreasing p chasing power of the R&D dollar and (2) sharp decline in R&D plant support. When the

[1] These agencies are the Agency for International Development, the Office of Economic Opportunity, and the Departments of Housing and Urban Development, Labor, and Transportation.



port, following 2 years of minimal growth, brought Federal academic science outlays to the lowest dollar level since 1966, and reduced the academic science portion of total program support to 67 percent. Nonscience funding, on the other hand, although declining by $33 million, increased its share of total program support for the sixth consecutive year, from 6 percent in 1964 to 33 percent in 1970.

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Declines in HEW and NSF facilities support were the principal factors accounting for the 52 percent and 16 percent reductions in Federal obligations for R&D plant and "other science activities," respectively. Construction funds for academic science activities are used for both research and educational purposes. As such, these funds may be reported as R&D plant or as "other science activities."

R&D plant support, which was relatively stable from 1963-67, fell sharply since then. The 1970 total of $28 million is less than one-half the amount obligated in 1969 and less than one-fourth the 1967 total. NSF and HEW accounted for four-fifths of the $89 million drop in the level of R&D plant support since 1967. NSF's R&D plant obligations declined to $19 million in 1970, approximately one-third of its 1967 total, while HEW's R&D plant support fell to nearly zero.

Obligations for "other science activities," reaching a peak of $883 million in 1967, also have fallen steadily since then to $676 million. This decrease stems from cuts in instructional facilities as mentioned above, and "other science activities" which include support for fellowships and traineeships. These types of direct student aid sponsored primarily by the Office of Education, National Institutes of Health and National Science Foundation are budgeted at lower levels in 1971 and 1972. Taking into account the current shift of emphasis away from direct support of construction, fellowship, and traineeship programs, it is expected that funding of "other science activities" will continue to decline in 1971 and 1972.

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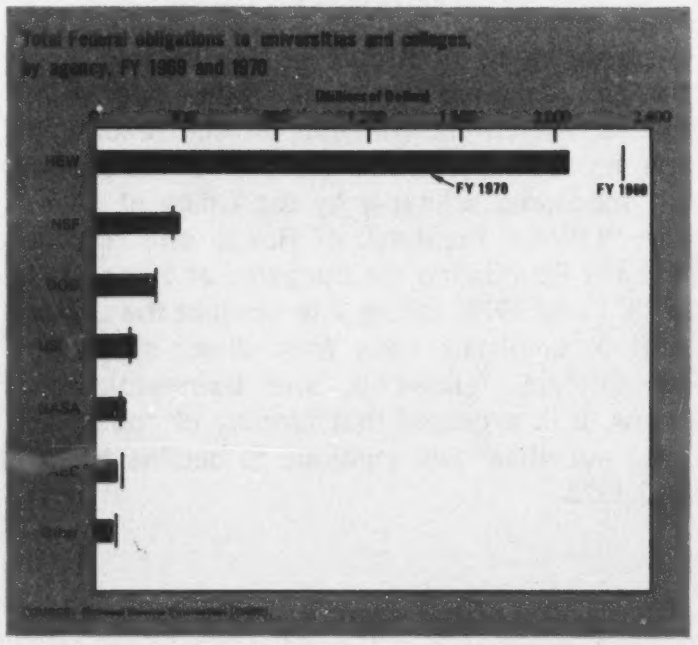
SECTION 2.

total program activities

Data on "total program activities" include Federal funding of academic science—research and development, R&D plant, and "other science activities"—and nonscience activities. This section presents an overview of the agency, geographic, and institutional patterns of Federal higher education support. Funding patterns shown in this and the following sections indicate that while Federal obligations to universities and colleges continued to be highly concentrated in 1970, the distribution of support was, in general, comparable to distribution patterns found for other related variables, such as population, degrees granted, and students enrolled.



AGENCY DISTRIBUTION

Of the 13 agencies included in this s allocated 97 percent of all Federal obliga universities and colleges in 1970. Despite 70 net decline of $242 million in total support from HEW; this agency continue the principal source of Federal agency awarding 64 percent of Federal obligat higher education in 1970. Following at c ably lower levels were NSF and DOD. T these two agencies accounted for less th third of the HEW total and about 20 pe the Federal total. Fluctuations in fundin of NSF, DOD, and the remaining three agency sources of support—the Departm Agriculture (USDA), National Aeronaut Space Administration (NASA), and Ato ergy Commission (AEC)—had little effect net change in total Federal support.

GEOGRAPHIC DISTRIBUTION

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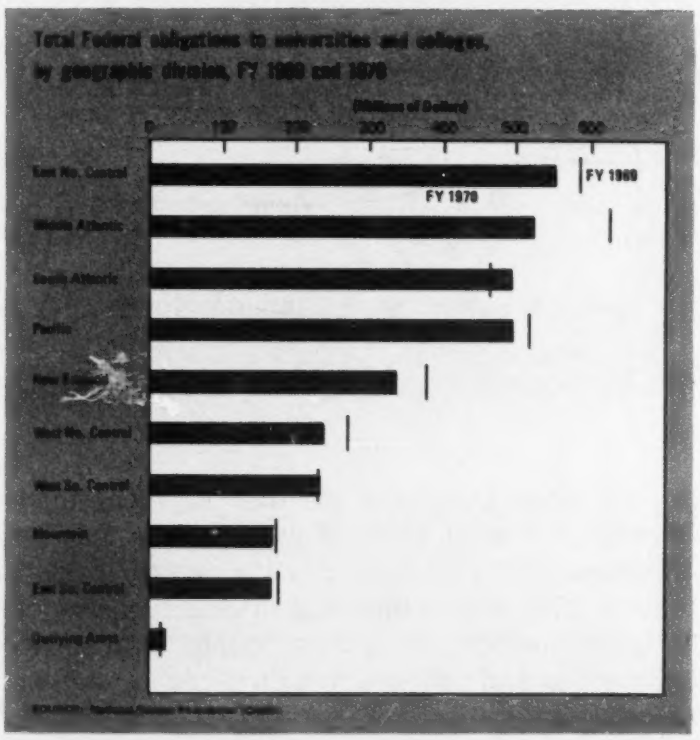


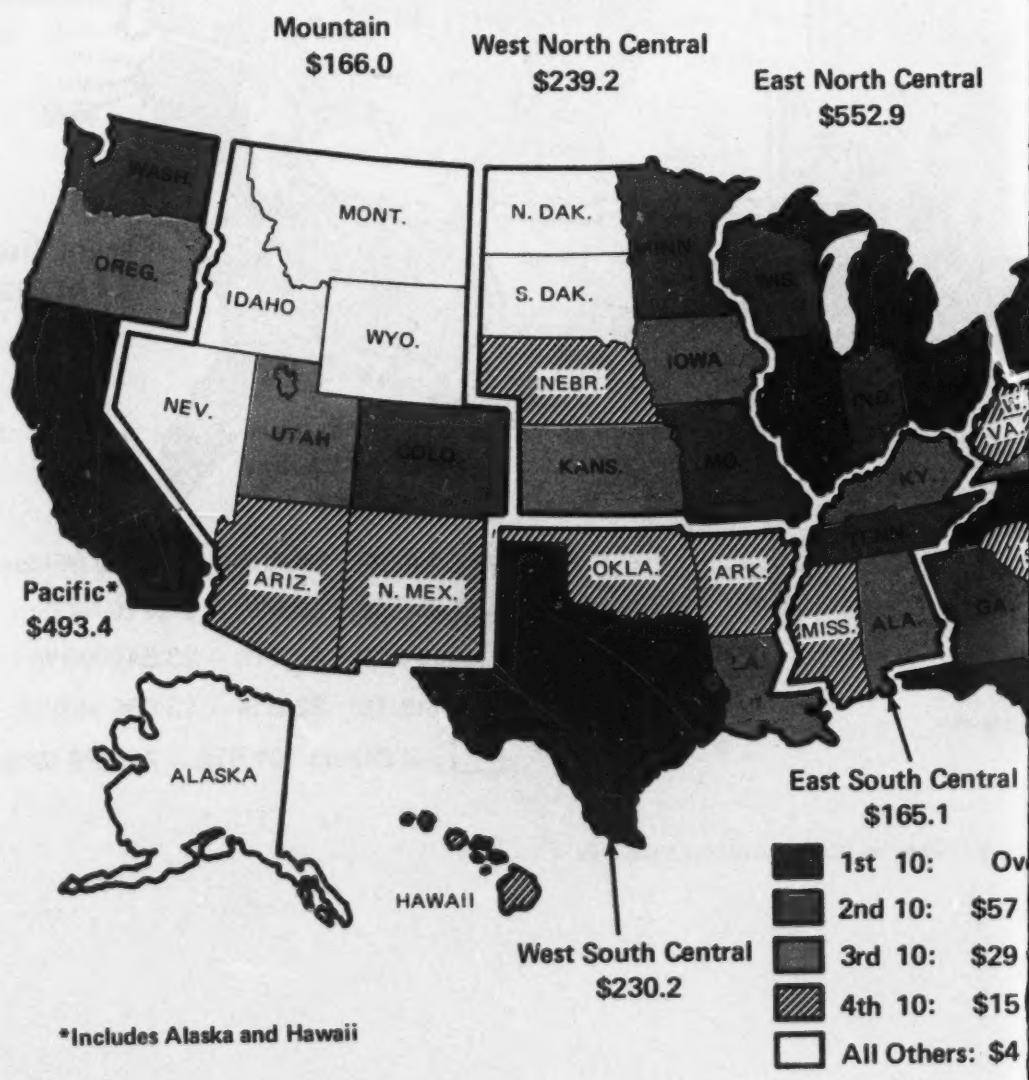
GEOGRAPHIC DISTRIBUTION

In 1970 the East North Central division replaced the Middle Atlantic States as the leading group of States receiving Federal support. The 1970 decline of $102 million in funds to the Middle Atlantic States is in part due to a return to a more typical funding level for institutions in New Jersey, whose total in 1969 was inflated by a $35 million facilities grant for the New Jersey College of Medicine and Dentistry. Among the nine major geographic divisions the only increase in 1970 support, compared with 1969, occurred in the third-ranked South Atlantic division, which showed a rise of 6 percent, or $29 million. Most of this increase is attributable to higher totals for two States, Florida and Virginia, and the District of Columbia.

Federal funds to academic institutions are concentrated in three eastern geographic divisions and one western geographic division of the Nation. The East North Central, Middle Atlantic, South Atlantic, and Pacific divisions, representing 21 States and the District of Columbia, accounted for 60 percent of institutions receiving Federal support in 1970, 63 percent of all bachelor's and

Geographic distribution of total Federal obligations to universities and

(Dollars in millions)

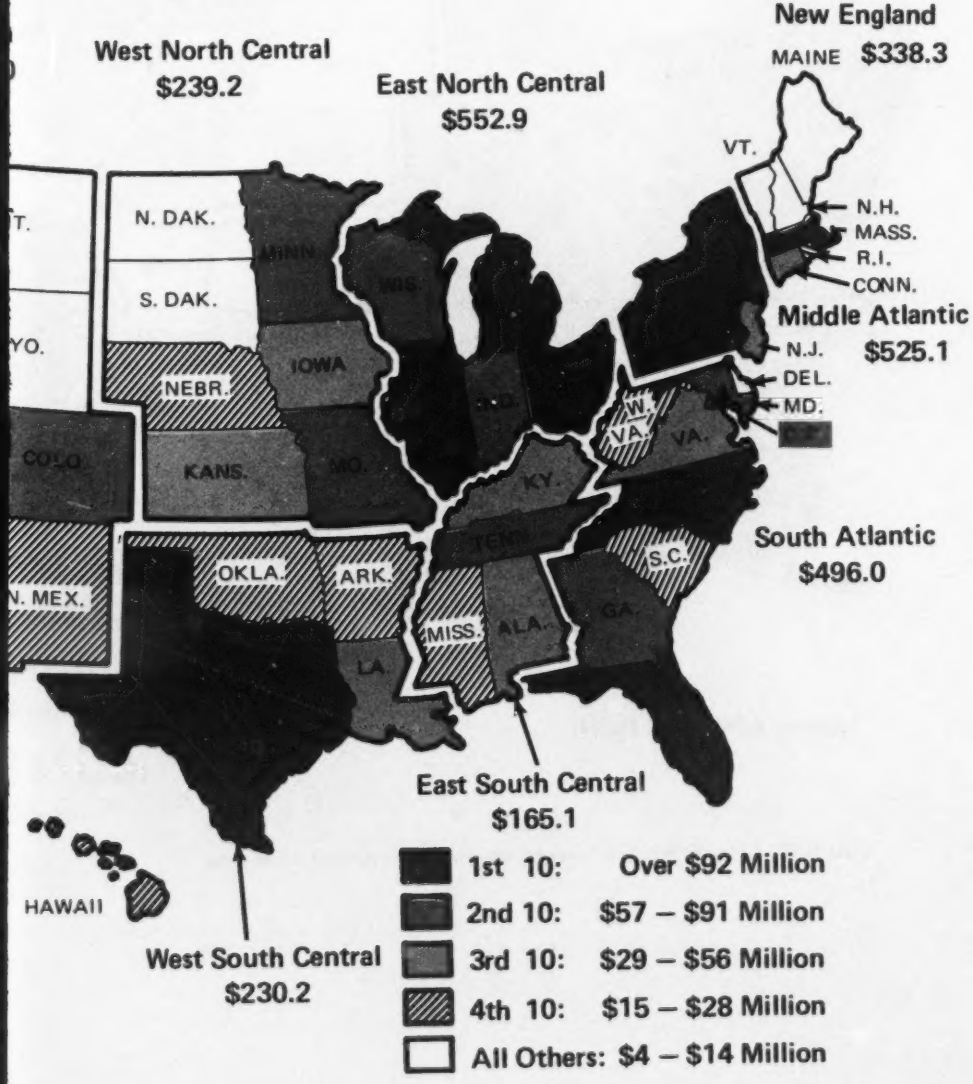


*Includes Alaska and Hawaii

SOURCE: National Science Foundation (CASE).

l Federal obligations to universities and colleges, FY 1970

(Dollars in millions)



dation (CASE).

higher degrees awarded, 66 percent of the population, and 64 percent of total Federal funds for higher education.

Of the first 10 States in Federal support, 8 are found in these divisions with 5 of the 8 located in the East North Central and Middle Atlantic divisions. These two divisions each received between 16 percent and 17 percent of total Federal obligations and between 17 percent and 18 percent of HEW and NSF obligations in 1970. The leading divisional recipient of funds for NSF, however, was the Pacific, with 21 percent of the NSF total.

Although Federal funds to institutions of higher education are directed more towards the eastern institutions, a westward shift which parallels recent rapid growth in population and the number of academic institutions is under way in the 24 States of the four western divisions, particularly in the Pacific States. In 1963 the number of institutions receiving funds in the western divisions was 284; by 1970 both the number of institutions and the number of dollars had tripled, compared to a somewhat smaller rate of growth for eastern institutions. From 1963-70 the percentage increase of Federal support to western universities and colleges was 16 percent higher than that for institutions in the rest of the United States.

Ten States accounted for 56 percent of total Federal aid to higher education in fiscal year 1970 and 53 percent of total degrees awarded in academic year 1968. Data for each of the 10 States except Massachusetts show reasonably close agreement between proportion of funds received and proportion of degrees awarded.

The disparity between the percentages of funds and degrees for Massachusetts can be explained in large part by the large amount of mission oriented R&D support. Funding of R&D activities at Massachusetts institutions comprised 68 percent of the State total, compared to a national average of 45 percent. At Massachusetts Institute of Technology and Harvard University, which together account for 64 percent of total support to the State, the ratio of R&D obligations to total sup-

Total Federal obligations to universities and colleges in the 10 States receiving the largest amounts, FY 1970, compared to total degrees awarded, AY* 1967-68

State	Percent of Total Obligations, FY 1970	Percent of Total Degrees Awarded, AY* 1967-68	(Millions of Dollars) 100 200 300 400
California	10.8	8.6	350
New York	9.9	10.2	320
Massachusetts	7.6	4.4	244
Pennsylvania	4.8	5.9	155
Illinois	4.7	5.1	151
Ohio	4.6	4.9	150
Texas	4.4	4.6	141
Michigan	3.5	4.7	114
North Carolina	3.1	2.1	99
Florida	2.9	2.2	92
Total, 10 States	56.3	52.8	1,817

*Academic year.

SOURCE: National Science Foundation (NASH); Office of Education.

port was 92 percent and 68 percent, respectively.

California and New York accounted for one-fifth of total Federal support to universities and colleges, but also awarded nearly one-fifth of all degrees. California, New York, and Massachusetts, the three leading States in total Federal support, also placed more institutions in the first 100 in terms of amounts obligated than any of the other States. Twenty-four of the first 100 institutions were located in these three States.

The ratio of total Federal support to the number of degrees awarded in all fields by U.S. institutions of higher education (bachelor's or higher) amounted to $3,716 per degree granted. Among the States, the ratio of Federal funds per degree granted showed a wide variation, although not generally as wide as a comparison between the States with the highest and lowest ratios would indicate; e.g., Alaska, $24,555 per degree and Maine, $1,576 per degree. The Alaska figure falls well outside the distribution pattern for the other 50 geographic areas. The range between the ratios for the second highest area, the District of Columbia, $7,447 per degree, and for Maine pre-

Geographic distribution of to
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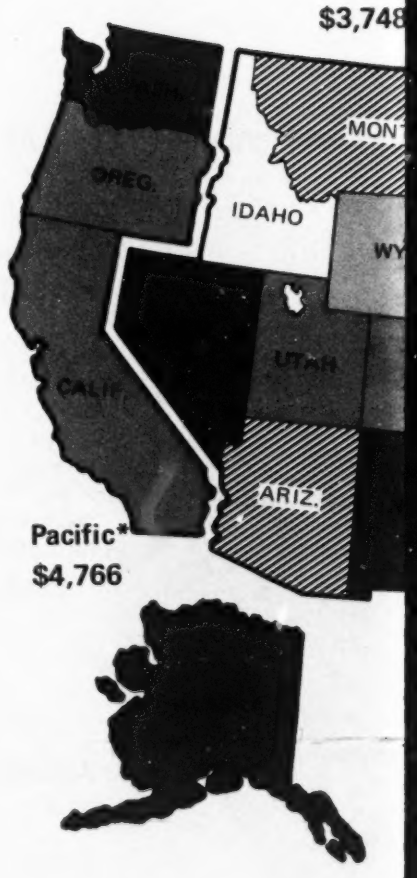

*Includes Alaska and Hawaii

SOURCE: National Science Founda

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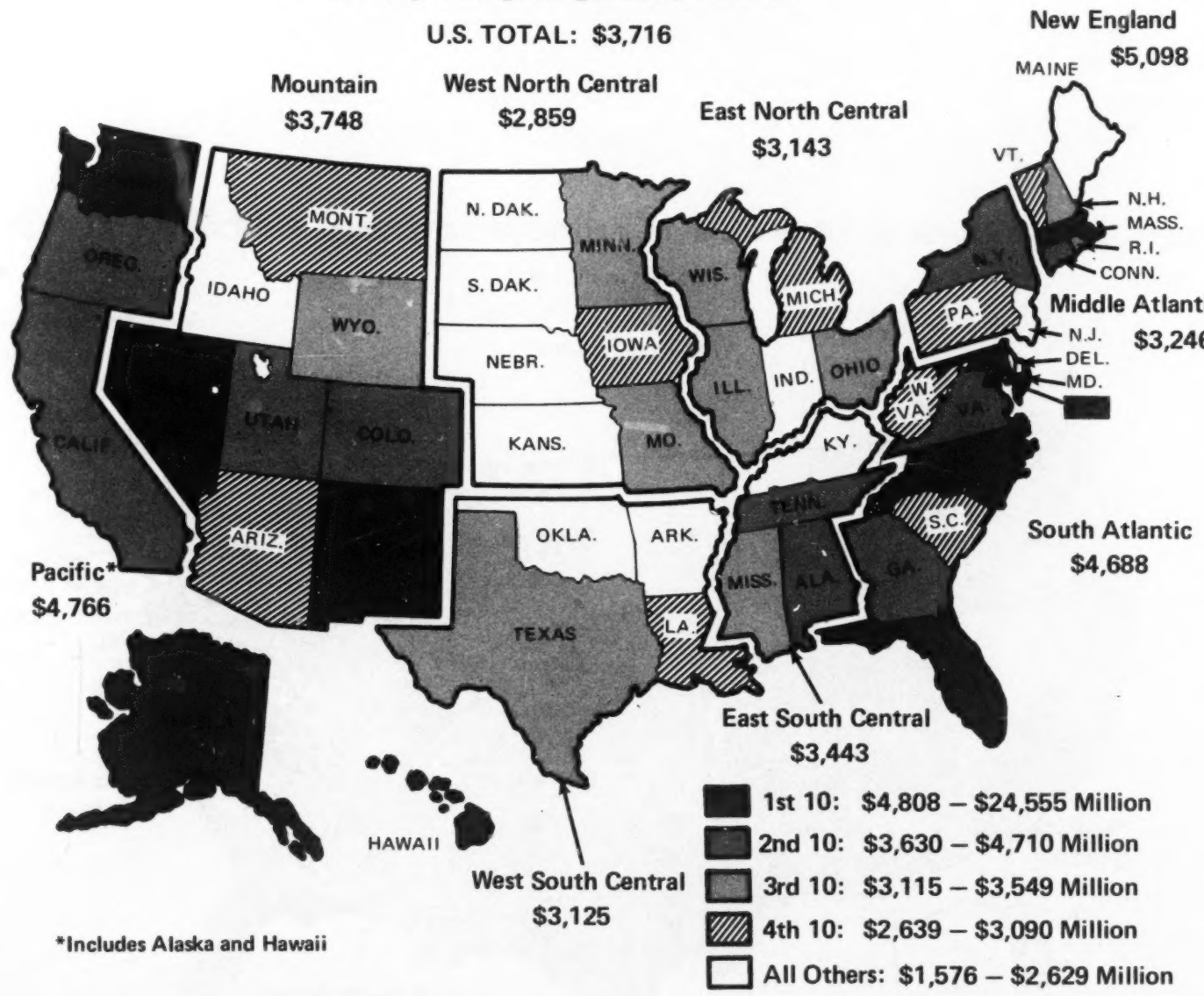
Geographic distribution of total Federal obligations to universities and colleges, FY 1970, per degree granted, 1967-68



*Includes Alaska and Hawaii

SOURCE: National Science Foundation (CASE); Office of Education

sents a more realistic basis for comparison of the funding levels among the various geographic areas. The ratio for obligations per degree granted for these two areas is 5:1. Considering only dollar totals, the comparable ratio is 13:1. The use of degree data to normalize geographic comparisons of the distribution of Federal funds to universities and colleges is illustrated by the vast difference between ratios computed with and without degree data for the States receiving the highest and lowest level of Federal funding in 1970. New York, the second-highest recipient, received $320 million compared to $4 million obligated to institutions in Delaware for a ratio of 73:1. Incorporating degree data reduces this ratio to 1.2:1.0—New York, $3,623 per degree; Delaware, $2,913 per degree.

Utilizing funds per degree granted to compare State totals to the U.S. average shows California and New York, the first- and second-ranking States in terms of obligations received, ranked 11 and 20, respectively, in funds per degree granted. In fact, New York's $3,623 per degree granted was nearly 3 percent below the U.S. average.

Only 3 of the first 10 States in total Federal support are also in the first 10 States in terms of Federal support per degree awarded. Five of the first 10 States—Pennsylvania, Ohio, Illinois, Michigan, and Texas—fall in the middle-to-low range. These States, while appearing in the top 10 in overall Federal support, are receiving average to below average support in relation to the number of degrees awarded. On the other hand, 2 of the last 10 States in total obligations, Nevada and Alaska, were in the first 10 States when Federal funds were related to degree production.

INSTITUTIONAL DISTRIBUTION

The first 295 institutions, representing less than 13 percent of all universities and colleges, each received $1 million or more in Federal obligations during 1970. Total funds to these universities and

Table 1.—Num
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Size of Federal Pro
Total . . . . .
$10 million or more .
$5 million to $9.9 millio
$1 million to $4.9 millio
$500,000 to $999,000
$100,000 to $499,000
Less than $100,000 . .

[a] Does not include $34,2
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SOURCE: National Scie

colleges amounted to more tha
89 percent of Federal obligatio
tions of higher education.

Institutions receiving less tha
prised more than 1,100 schoo
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Although funding to the first 1
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to all universities and colleges.

The Massachusetts Institute
(MIT), the leading recipient of
each of the last 8 years, in 1970
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Table 1.—Number of universities and colleges receiving Federal obligations ranked by size of Federal program, fiscal year 1970

[Dollars in thousands]

Size of Federal Program	Total obligations		Number of institutions	
	Amount	Percent distribution	Amount	Percent distribution
Total	$3,192,499[a]	100.00	2,352	100.00
$10 million or more	2,142,906	67.12	83	3.53
$5 million to $9.9 million	365,152	11.44	52	2.21
$1 million to $4.9 million	340,925	10.68	160	6.80
$500,000 to $999,000	126,433	3.96	184	7.82
$100,000 to $499,000	174,020	5.45	764	32.48
Less than $100,000	43,063	1.35	1,109	47.15

[a] Does not include $34,238,000 reported under central offices of university systems (central systems); these funds could not be tabulated for individual member institutions and, therefore, were excluded from this table.

SOURCE: National Science Foundation (CASE).

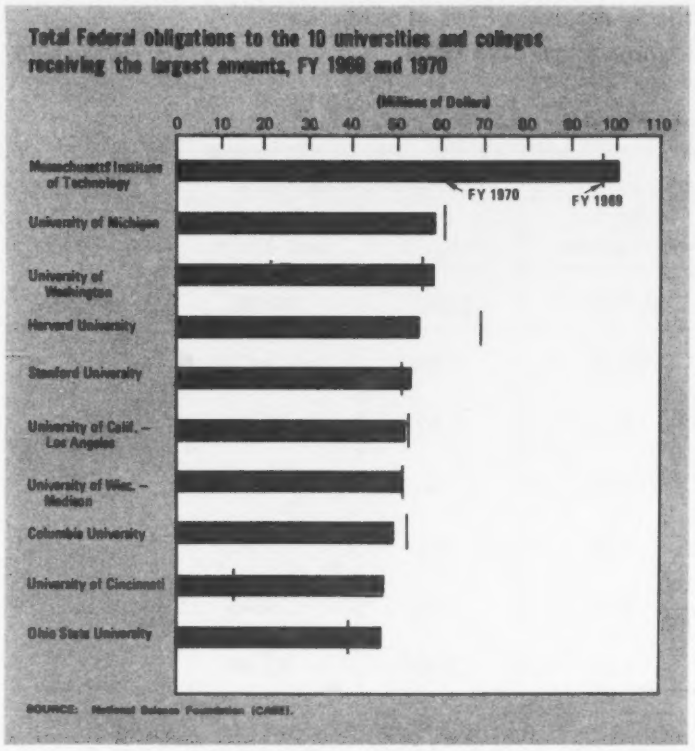
colleges amounted to more than $2.8 billion, or 89 percent of Federal obligations to all institutions of higher education.

Institutions receiving less than $100,000 comprised more than 1,100 schools, over 800 of which were 2-year institutions. Schools in this lowest support class made up 47 percent of all universities and colleges receiving Federal support, but accounted for little more than 1 percent of total Federal funds (table 1).

Although funding to the first 100 institutions in total Federal support fell by 4 percent—$99 million—from 1969 to 1970, relative concentration of funds for this group of institutions increased from 69 percent to 71 percent of total obligations to all universities and colleges.

The Massachusetts Institute of Technology (MIT), the leading recipient of Federal funds for each of the last 8 years, in 1970 became the first institution to go over the $100 million level in Federal support. MIT received 3.1 percent of total Federal obligations, 4.6 percent of academic science support and 6.3 percent of all academic R&D funds. The total obligation figure for MIT was 70 percent higher than the total reported for second-ranked University of Michigan. DOD and NASA allocated 17 percent and 20 percent, respectively, of their total academic R&D funds to MIT, and accounted for 70 percent of total Federal obligations to this institution in 1970.

Federal funds for academic science and R&D activities were more highly concentrated than funds for all program activities. The higher concentration was apparent in each of the ranked grouping of institutions within the first 100. For example, the first 10 institutions in total obligations in 1970 accounted for 18 percent of total funds, 21 percent of academic science activities, and 24 percent of R&D support. For the first 100 institutions the percentages were 71 percent, 81


Total Federal obligations to the 10 universities and colleges receiving the largest amounts, FY 1969 and 1970
(Millions of Dollars)
0 10 20 30 40 50 60 70 80 90 100 110
Massachusetts Institute of Technology
University of Michigan
University of Washington
Harvard University
Stanford University
University of Calif. – Los Angeles
University of Wisc. – Madison
Columbia University
University of Cincinnati
Ohio State University
FY 1970
FY 1969
SOURCE: National Science Foundation (CASE).

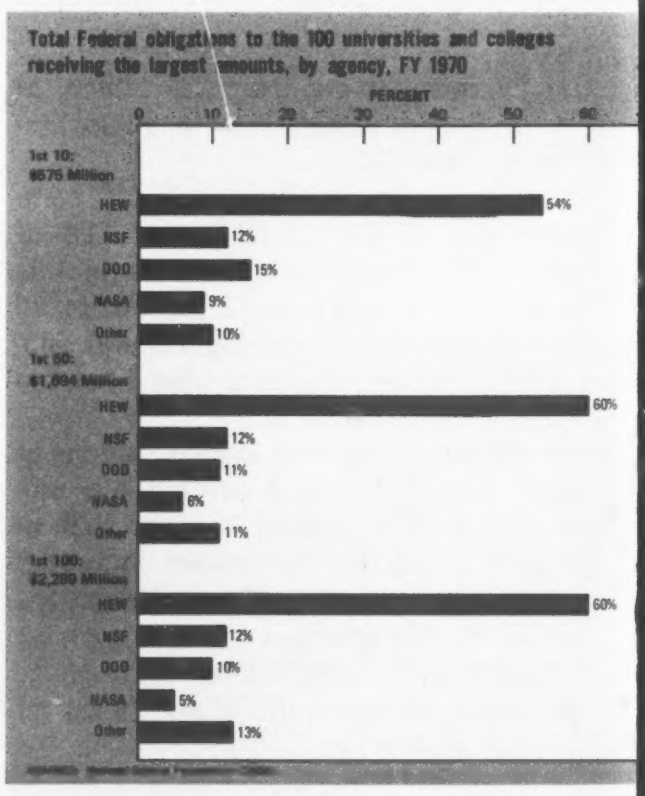
percent, and 84 percent, respectively. The relatively large volume of Federal R&D support at the first 100 institutions is attributable to the gravitation of funds to the top research scientists and engineers located at the Nation's leading universities.

Funding levels for 7 of the leading 10 universities in 1970 were within 5 percent of the 1969 totals. Among the leading universities experiencing large fluctuations were the University of Cincinnati, with a 263 percent increase, and Harvard University, with a 20 percent decline in Federal obligations. The University of Cincinnati moved up from 71st position in 1969 to ninth place in 1970. The unusually high ranking for this university in 1970 was the result of a $34.2 million increase in Federal support, virtually all of it from the National Institutes of Health (NIH) for the construction and improvement of medical school facilities. Harvard University, on the other hand, experienced a $14 million decline in Federal funds, lowering this institution from second place in 1969 to fourth place in 1970.

HEW's share of total Federal support to first 10 institutions fell somewhat below its r tive level of funding to the first 50 and first universities and colleges. For all three gro HEW's share of support was considerably lo than its share of the Federal total going to in tutions ranking below the first 100.

These comparisons indicate that obligati from some of the more R&D oriented agen such as DOD and NASA are more concentra among the top ranked institutions. The first institutions in total Federal support, for exam received more than one-third of total sup from DOD and NASA; these 10 universities, h ever, accounted for less than one-sixth of HE total obligations.

The preponderance of public institutions am the Nation's 100 universities and colleges rec ing the largest amounts of Federal suppor becoming increasingly evident. Among the le

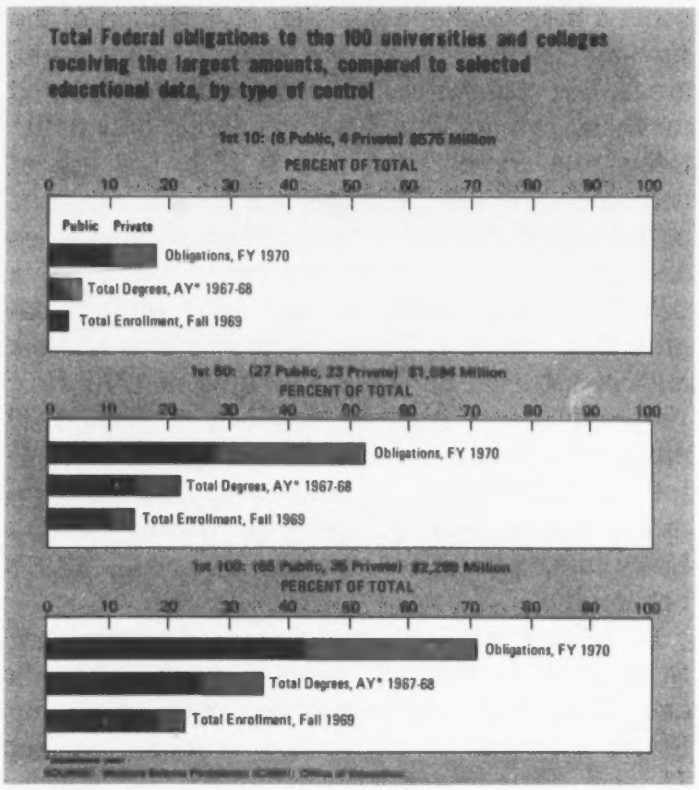


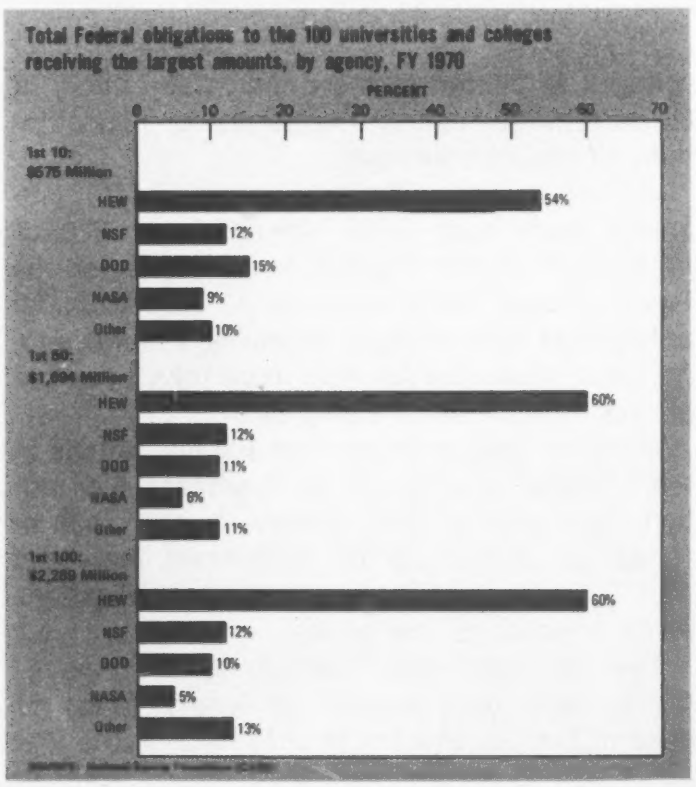
HEW's share of total Federal support to the first 10 institutions fell somewhat below its relative level of funding to the first 50 and first 100 universities and colleges. For all three groups HEW's share of support was considerably lower than its share of the Federal total going to institutions ranking below the first 100.

These comparisons indicate that obligations from some of the more R&D oriented agencies such as DOD and NASA are more concentrated among the top ranked institutions. The first 10 institutions in total Federal support, for example, received more than one-third of total support from DOD and NASA; these 10 universities, however, accounted for less than one-sixth of HEW's total obligations.

The preponderance of public institutions among the Nation's 100 universities and colleges receiving the largest amounts of Federal support is becoming increasingly evident. Among the leading 100 institutions of higher education, public institutions outnumbered private institutions by nearly 2 to 1. In each of the first groups of 10, 50, and 100 institutions, public universities and colleges accounted for more than one-half of total Federal support and more than two-thirds of total degrees awarded and total number of students enrolled.

In relation to total degrees granted and total student enrollment, however, privately controlled institutions show a higher concentration of Federal support than publicly controlled institutions. The 35 privately controlled institutions listed among the top 100 recipients received a share of Federal funds nearly 2.4 times their share of degrees awarded and 5.8 times the proportion of students enrolled. For public institutions the differences were somewhat narrower: their share of support was 1.6 and 2.3 times the percentages of degrees awarded and students enrolled, respectively.


Total Federal obligations to the 100 universities and colleges receiving the largest amounts, compared to selected educational data, by type of control
1st 10: (6 Public, 4 Private) $575 Million
PERCENT OF TOTAL
0 10 20 30 40 50 60 70 80 90 100
Public Private
Obligations, FY 1970
Total Degrees, AY* 1967-68
Total Enrollment, Fall 1969
1st 50: (27 Public, 23 Private) $1,094 Million
PERCENT OF TOTAL
0 10 20 30 40 50 60 70 80 90 100
Obligations, FY 1970
Total Degrees, AY* 1967-68
Total Enrollment, Fall 1969
1st 100: (65 Public, 35 Private) $2,289 Million
PERCENT OF TOTAL
0 10 20 30 40 50 60 70 80 90 100
Obligations, FY 1970
Total Degrees, AY* 1967-68
Total Enrollment, Fall 1969

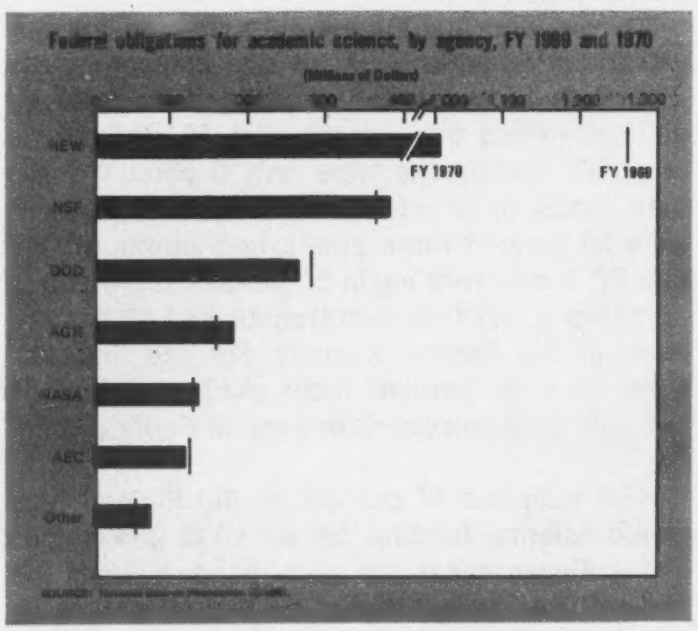


SECTION 3.

federal obligations for academic science

Academic science obligations include the funds for research and development, R&D plant, and other science activities such as education in the sciences and science information. Federal obligations for total academic science funding were $2,168 million in 1970, declining by $193 million, or 8 percent, from the 1969 level.

The impact of the 1969-70 reduction varied among the types of programs. Support for research and development totaled $1,464 million, decreasing 2 percent from 1969. R&D plant obligations dropped to $28 million, or less than one-half the 1969 R&D plant figure. Federal support of "other science" activities declined by $133 million to $676 million in 1970.



AGENCY DISTRIBUTION

Among the six agencies provid
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HEW, DOD, and AEC reported red
million, $13 million, and $7 millio
The increases reported by the rem
were not sufficient to offset the
in the level of HEW funding.

HEW obligated almost one-ha
Federal academic science supp
lion, compared to $1,262 million
HEW provided funds for science
institutions.

The National Science Foundati
second largest amount of academ
port—$387 million, a rise of 5 per
NSF support went to 940 institut

GEOGRAPHIC DISTRIBUTION

Federal obligations for acade
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The 9-percent drop in funds to
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Academic institutions in all
divisions felt the decrease in
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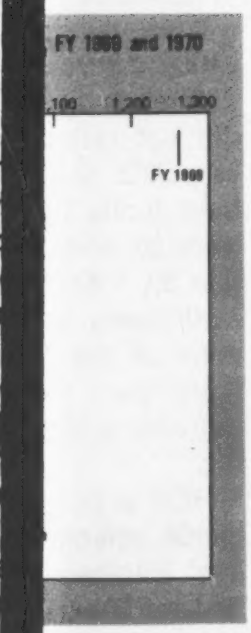
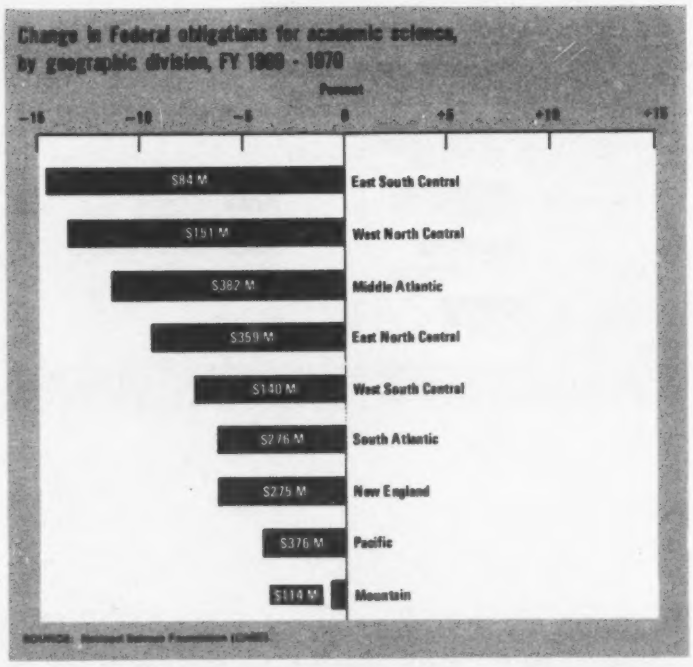


AGENCY DISTRIBUTION

Among the six agencies providing major academic science support—$100 million or more—HEW, DOD, and AEC reported reductions of $245 million, $13 million, and $7 million, respectively. The increases reported by the remaining agencies were not sufficient to offset the sharp reduction in the level of HEW funding.

HEW obligated almost one-half of the total Federal academic science support—$1,017 million, compared to $1,262 million in 1969. In 1970 HEW provided funds for science programs to 802 institutions.

The National Science Foundation provided the second largest amount of academic science support—$387 million, a rise of 5 percent from 1969. NSF support went to 940 institutions.



GEOGRAPHIC DISTRIBUTION

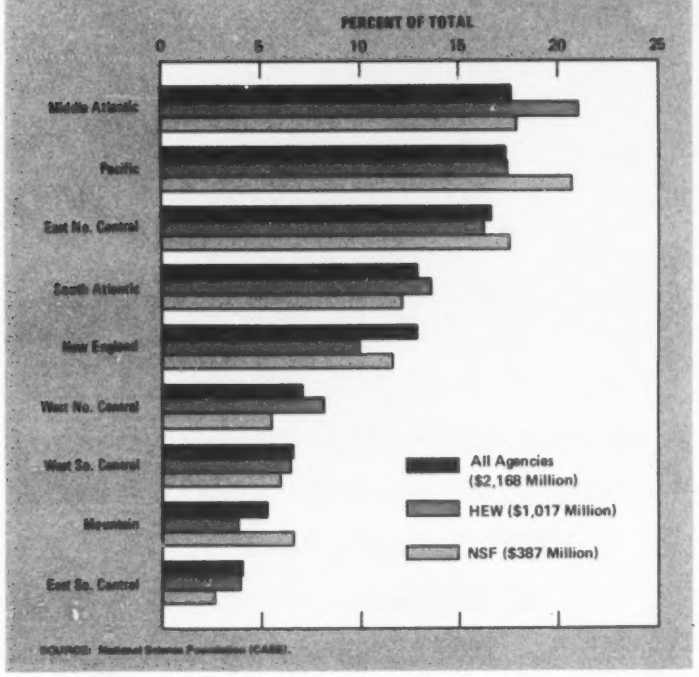
Federal obligations for academic science activities were $2,168 million in 1970, declining by 8 percent from the 1969 level. Obligations to the Middle Atlantic division remained the largest in 1970, although 11 percent under its 1969 level. The 9-percent drop in funds to the East North Central States to $359 million caused this division to drop from second to third highest in receipt of Federal academic science funds.

Academic institutions in all nine geographic divisions felt the decrease in total academic science support, ranging from a decline of 15 percent for institutions in the East South Central division to 1 percent for the Mountain States. By comparison, four divisions registered declines in 1969.

One-fifth of the HEW academic science funding went to 129 universities and colleges in the Middle Atlantic division. The Pacific, East North Central, and South Atlantic divisions each received academic science support in excess of $100 million from HEW in 1970, accounting for 47 percent of the agency's total. When obligations to these four divisions are combined, they represent over two-thirds of the HEW sum.

All geographic divisions registered declines in HEW support in 1970, ranging from 14 percent to 34 percent below 1969 levels.

Distribution of total Federal, HEW, and NSF obligations for academic science, by geographic division, FY 1970



Federal obligations for academic science in the 10 States receiving the largest amounts, FY 1970, compared with science and engineering degrees awarded, AY* 1967-68

States	Percent of Total Obligations, FY 1970	Percent of S & E Degrees AY* 1967-68	(Millions of Dollars) 100 200 300
California	12.7	10.1	$275
New York	11.2	10.6	243
Massachusetts	9.5	4.6	205
Illinois	5.4	4.9	117
Pennsylvania	4.9	6.4	105
Texas	4.1	4.3	88
Michigan	3.7	4.5	79
North Carolina	3.1	4.7	67
Ohio	2.9	2.2	62
Maryland	2.5	1.4	53
Total, 10 States	59.7	53.7	1,295

NSF, the second largest agency in academic science support, obligated on its total to institutions in the Pacific div 18 percent to institutions in each the M lantic and East North Central divisions.

Ten States accounted for 60 percen academic science obligations of the Government in 1970. These States hav within the first ten since 1968. Althou has been some fluctuation in their rela tions, they have accounted for virtually share of total Federal academic scien throughout the 3-year period. In actu amounts, however, each received less academic science support in 1970 than R&D funds represented more than thre the academic science total in each States.

As in previous years, the distributio demic science obligations and total awarded in the sciences and engineerin lar. Massachusetts is the principal among the leading 10 States; its relativ of academic science funding is more times its percentage of degrees award sciences and engineering.

The comparability between academi obligations and Ph.D. degrees awarded ences and engineering is somewha Notable exceptions are the five States c the East North Central division, each shows a higher percentage of Ph.D. awarded in the sciences and engineerin 68 than shares of the U.S. academic sci port.

INSTITUTIONAL DISTRIBUTION

Within the top-100 list, the 65 publicly universities and colleges accounted fo cent of the U.S. total funds for academi in 1970, a slightly greater proportion had received in 1969. The share repre the privately controlled institutions rank

NSF, the second largest agency in terms of academic science support, obligated one-fifth of its total to institutions in the Pacific division and 18 percent to institutions in each the Middle Atlantic and East North Central divisions.

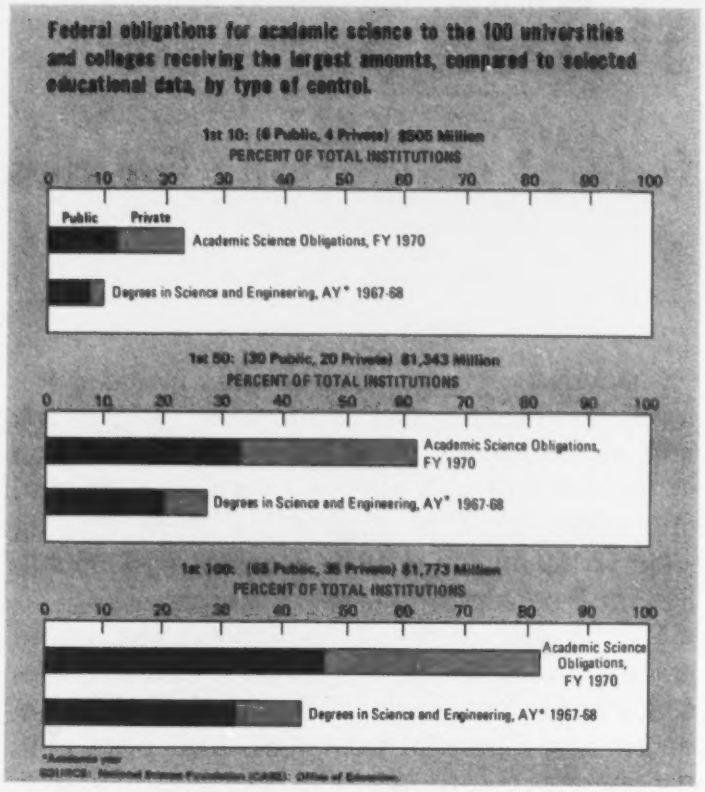
Ten States accounted for 60 percent of total academic science obligations of the Federal Government in 1970. These States have ranked within the first ten since 1968. Although there has been some fluctuation in their relative positions, they have accounted for virtually the same share of total Federal academic science funds throughout the 3-year period. In actual dollar amounts, however, each received less Federal academic science support in 1970 than in 1969. R&D funds represented more than three-fifths of the academic science total in each of the 10 States.

As in previous years, the distribution of academic science obligations and total degrees awarded in the sciences and engineering is similar. Massachusetts is the principal exception among the leading 10 States; its relative amount of academic science funding is more than two times its percentage of degrees awarded in the sciences and engineering.

The comparability between academic science obligations and Ph.D. degrees awarded in the sciences and engineering is somewhat closer. Notable exceptions are the five States comprising the East North Central division, each of which shows a higher percentage of Ph.D. degrees awarded in the sciences and engineering in 1967-68 than shares of the U.S. academic science support.

INSTITUTIONAL DISTRIBUTION

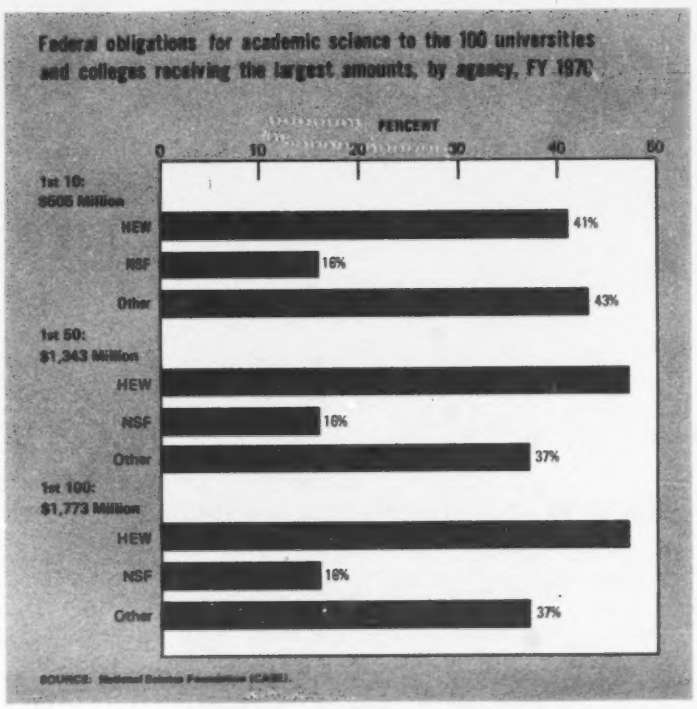
Within the top-100 list, the 65 publicly controlled universities and colleges accounted for 47 percent of the U.S. total funds for academic science in 1970, a slightly greater proportion than they had received in 1969. The share represented by the privately controlled institutions ranked within


Federal obligations for academic science to the 100 universities and colleges receiving the largest amounts, compared to selected educational data, by type of control.
1st 10: (6 Public, 4 Private) $505 Million
PERCENT OF TOTAL INSTITUTIONS
0 10 20 30 40 50 60 70 80 90 100
Public
Private
Academic Science Obligations, FY 1970
Degrees in Science and Engineering, AY* 1967-68
1st 50: (30 Public, 20 Private) $1,343 Million
PERCENT OF TOTAL INSTITUTIONS
0 10 20 30 40 50 60 70 80 90 100
Academic Science Obligations, FY 1970
Degrees in Science and Engineering, AY* 1967-68
1st 100: (65 Public, 35 Private) $1,773 Million
PERCENT OF TOTAL INSTITUTIONS
0 10 20 30 40 50 60 70 80 90 100
Academic Science Obligations, FY 1970
Degrees in Science and Engineering, AY* 1967-68
*Academic year
SOURCE: National Science Foundation (CASE); Office of Education

the first 100 was the same in 1970 as in previous years, 35 percent. The ratio of academic science funds per science and engineering degree awarded, therefore, was higher for privately controlled institutions.

While public institutions outnumbered the privately controlled ones in all size categories, the difference in proportion of obligations received did not reflect this. In the first 10, obligations to public institutions were only 6 percent more than funds to private institutions, though there were 50 percent more public institutions. In the first 50, there were again 50 percent more public institutions, yet they represented just 12 percent more of the Federal support. For the first 100, there were 86 percent more public institutions but only a 32-percent difference in Federal funding.

HEW supplied 47 percent of the Federal academic science funding for all 1,190 universities and colleges receiving such support from the Federal Government, the same proportions as re-



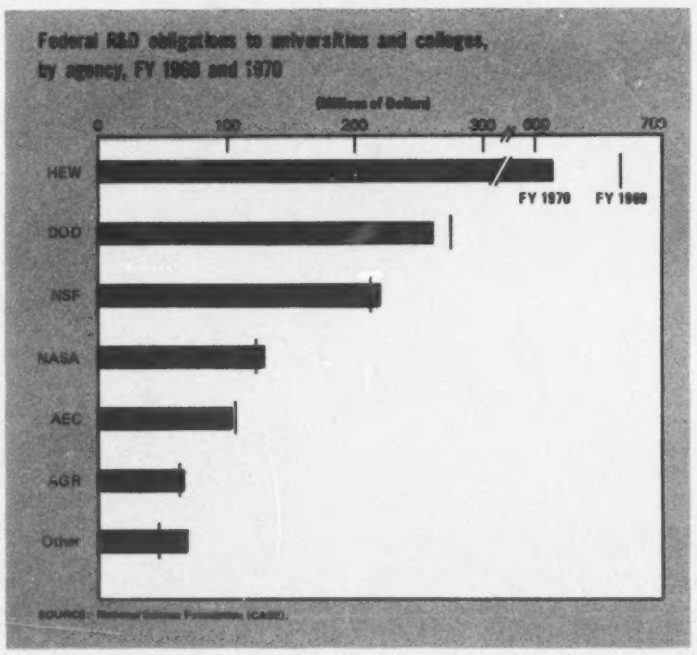
ported for the first 50 and first 100 institutions receiving the largest amounts of total academic science funds. This agency's share of total academic science funds obligated to the first 10 institutions, however, was somewhat less, due mainly to the heavy concentration of DOD funds for research and development going to institutions in this group, particularly the Massachusetts Institute of Technology—$44 million. NSF's share of total Federal academic science funding to each of the first 10, 50, and 100 institutions was 16 percent, 2 percentage points less than its share of total Federal academic science obligations to all institutions.

Of the six major funding agencies, NSF showed the lowest proportion of total agency academic science funds—75 percent—going to the leading 100 recipients of such support. Concentration levels for the other five agencies ranged from 82 percent for HEW to 91 percent for the Atomic Energy Commission.

SECTION 4.

federal obligations for research and development

Federal obligations for the performance of research and development at universities and colleges in 1970 amounted to $1,464 million, down 2.1 percent from 1969; obligations for R&D plant totaled $27 million in 1970, off 52 percent from 1969. When the R&D plant decrease is taken into account, Federal support for the total R&D effort, operations and plant, fell by 3.9 percent, nearly double the size of the drop in R&D operations alone.



AGENCY DISTRIBUTION

HEW obligated $615 million to 444 and colleges and DOD awarded $26 239 institutions for research and dev 1970. The amounts of these two age provided the largest sums of R&D su sented declines from their respective HEW fell by 8 percent and DOD b Every major subdivision of HEW, exc and Drug Administration, reported clines in R&D totals. DOD's lower 19 in large part a result of the cong quirement that DOD limit its support to that which has a direct and appar ship to its defense mission (section Armed Services Appropriations Act, 1970).

The National Science Foundation i R&D funding by $6 million in 197 $219 million to 315 universities a This was a decrease of 6 percent in of recipients from 1969.

GEOGRAPHIC DISTRIBUTION

The Pacific division replaced the lantic as the largest recipient due t cuts experienced by the latter fro NSF. The East North Central Stat third, although HEW support was $13

for research and development

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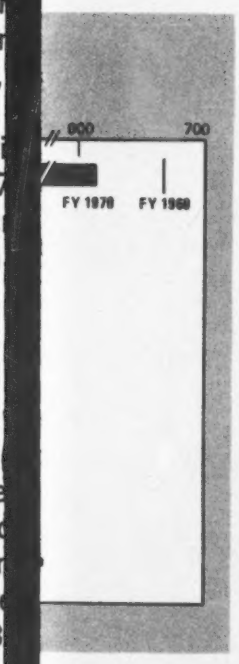
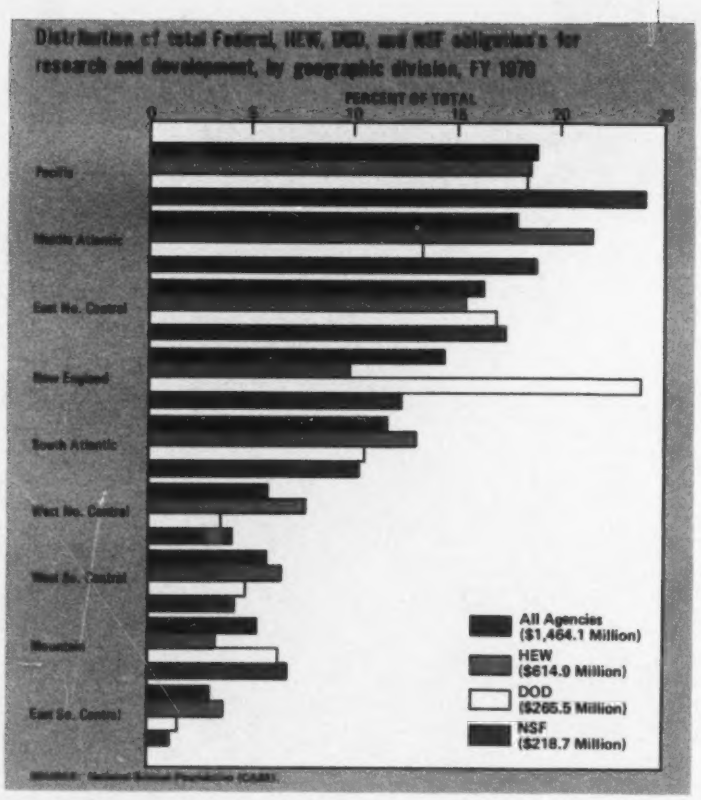


AGENCY DISTRIBUTION

HEW obligated $615 million to 444 universities and colleges and DOD awarded $265 million to 239 institutions for research and development in 1970. The amounts of these two agencies, which provided the largest sums of R&D support, represented declines from their respective 1969 levels—HEW fell by 8 percent and DOD by 5 percent. Every major subdivision of HEW, except the Food and Drug Administration, reported sizable declines in R&D totals. DOD's lower 1970 total was in large part a result of the congressional requirement that DOD limit its support of research to that which has a direct and apparent relationship to its defense mission (section 203 of the Armed Services Appropriations Act, Fiscal Year 1970).

The National Science Foundation increased its R&D funding by $6 million in 1970, awarding $219 million to 315 universities and colleges. This was a decrease of 6 percent in the number of recipients from 1969.



GEOGRAPHIC DISTRIBUTION

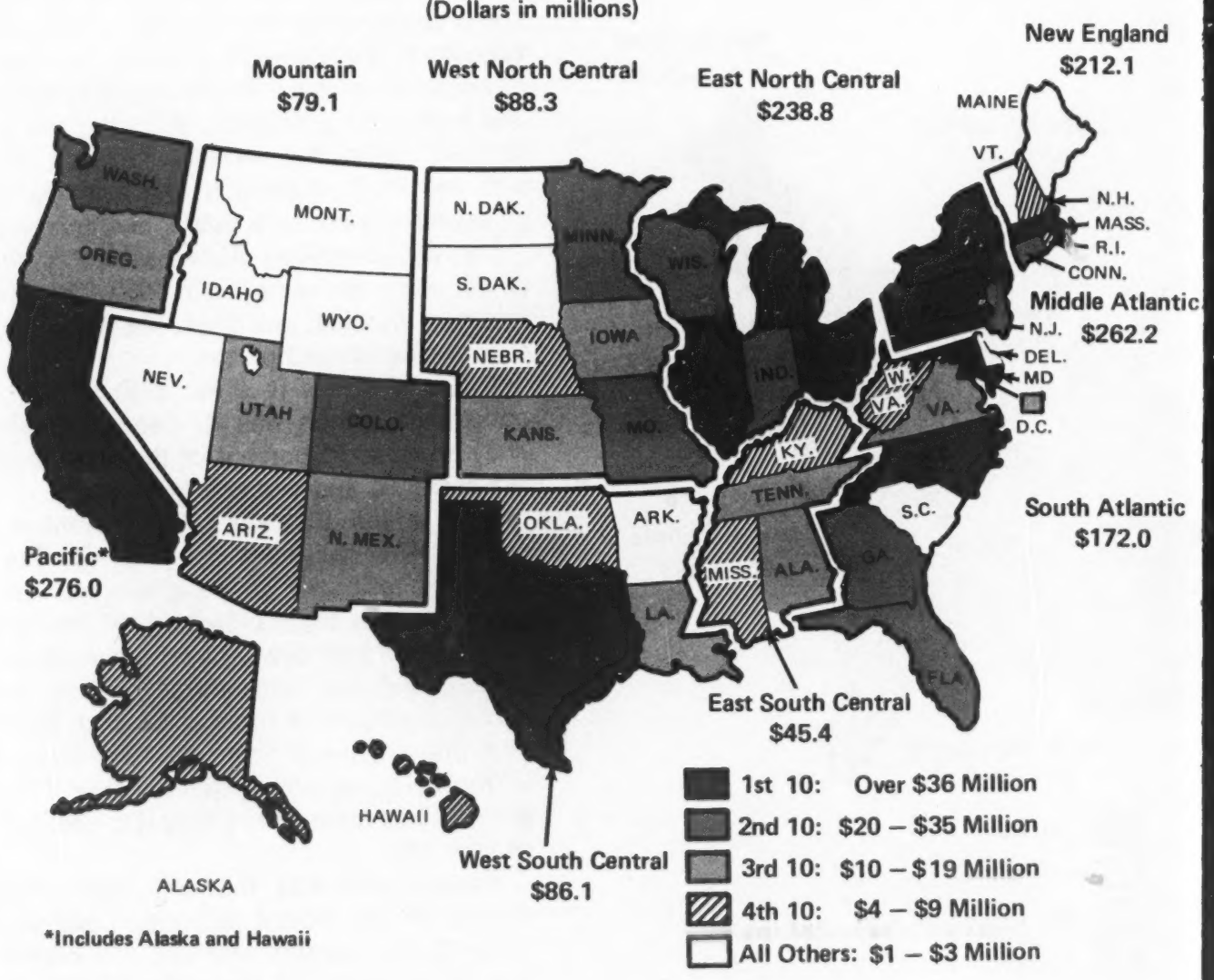
The Pacific division replaced the Middle Atlantic as the largest recipient due to substantial cuts experienced by the latter from HEW and NSF. The East North Central States remained third, although HEW support was $13 million less.

HEW totals were lower in all but one geographic division in 1970. Institutions in the Mountain division had a rise of 4 percent to $21 million.

Only the Pacific States, the second largest recipient of DOD's R&D support, showed an increase in DOD obligations in 1970; these States totaled $49 million, rising 8 percent from 1969.

Geographic distribution of total Federal R&D obligations to universities and colleges, FY 1970

(Dollars in millions)

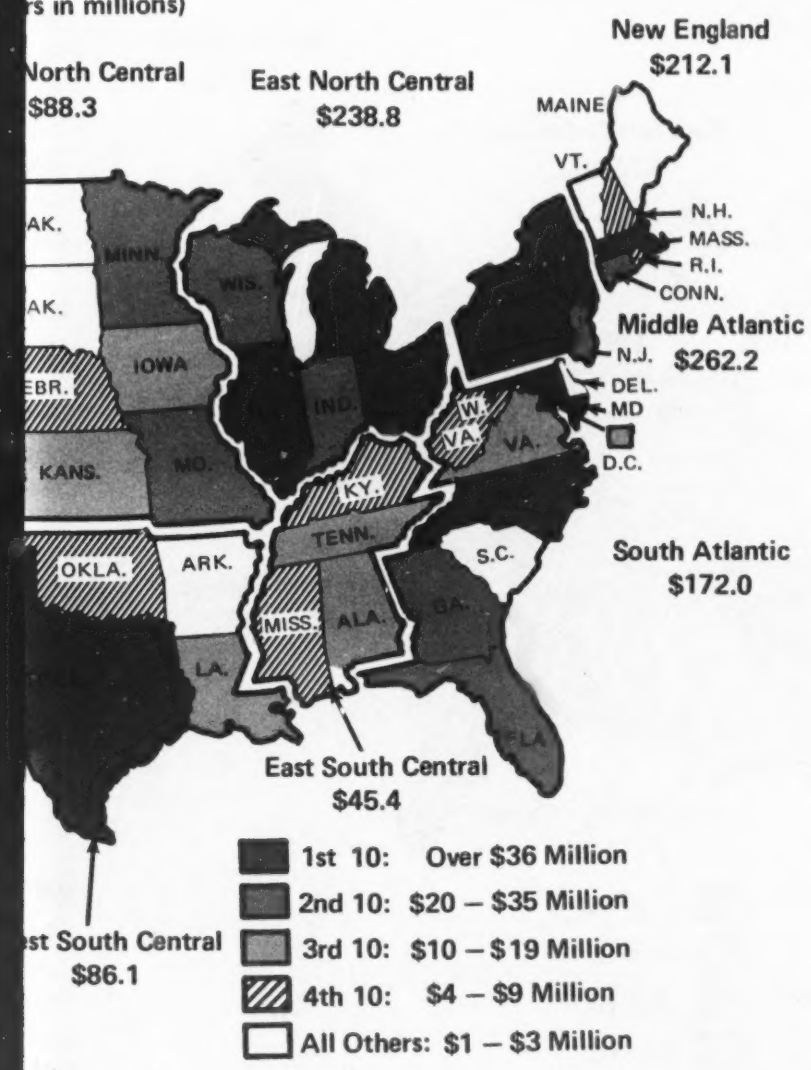


*Includes Alaska and Hawaii

SOURCE: National Science Foundation (CASE).

&D obligations to universities and colleges, FY 1970

rs in millions)



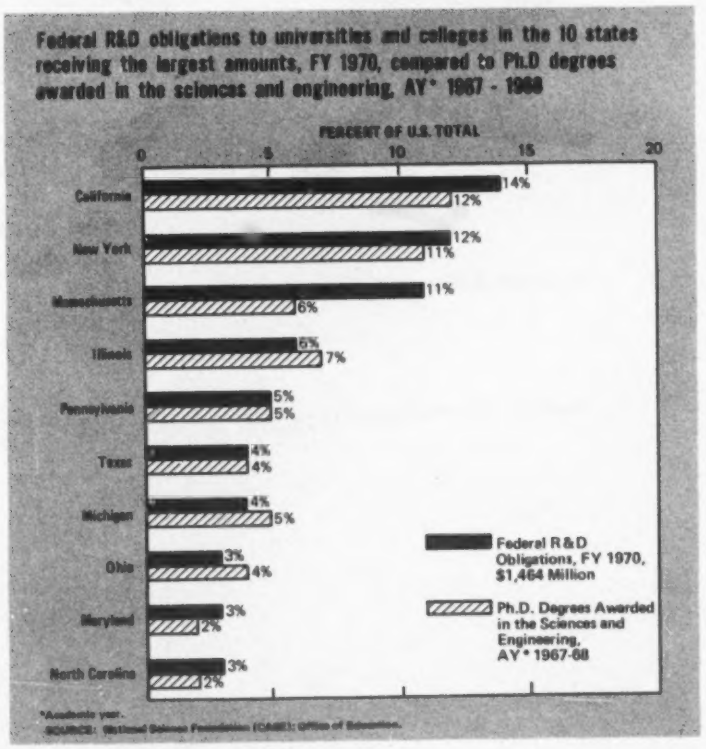
The largest share (24 percent) of the DOD total went to universities and colleges in the New England States, primarily Massachusetts.

Thirty-nine institutions in the Pacific States received one-fourth ($53 million) of the NSF total for research and development in 1970. The Middle Atlantic division received the second largest amount of funding from NSF, $41 million, decreasing 11 percent from 1969.

Three geographic divisions received larger dollar amounts of Federal obligations for research and development in 1970 than in 1969—South Atlantic, Mountain, and Pacific. All others declined in actual funding.

Six divisions grew in their relative shares of the U.S. total for R&D activities. The most significant gain was made by the Mountain division, whose relative share of the total increased by 12 percent from 1969 to 1970.

New York and California accounted for one-fourth of the R&D support in 1970—a total of $376 million.



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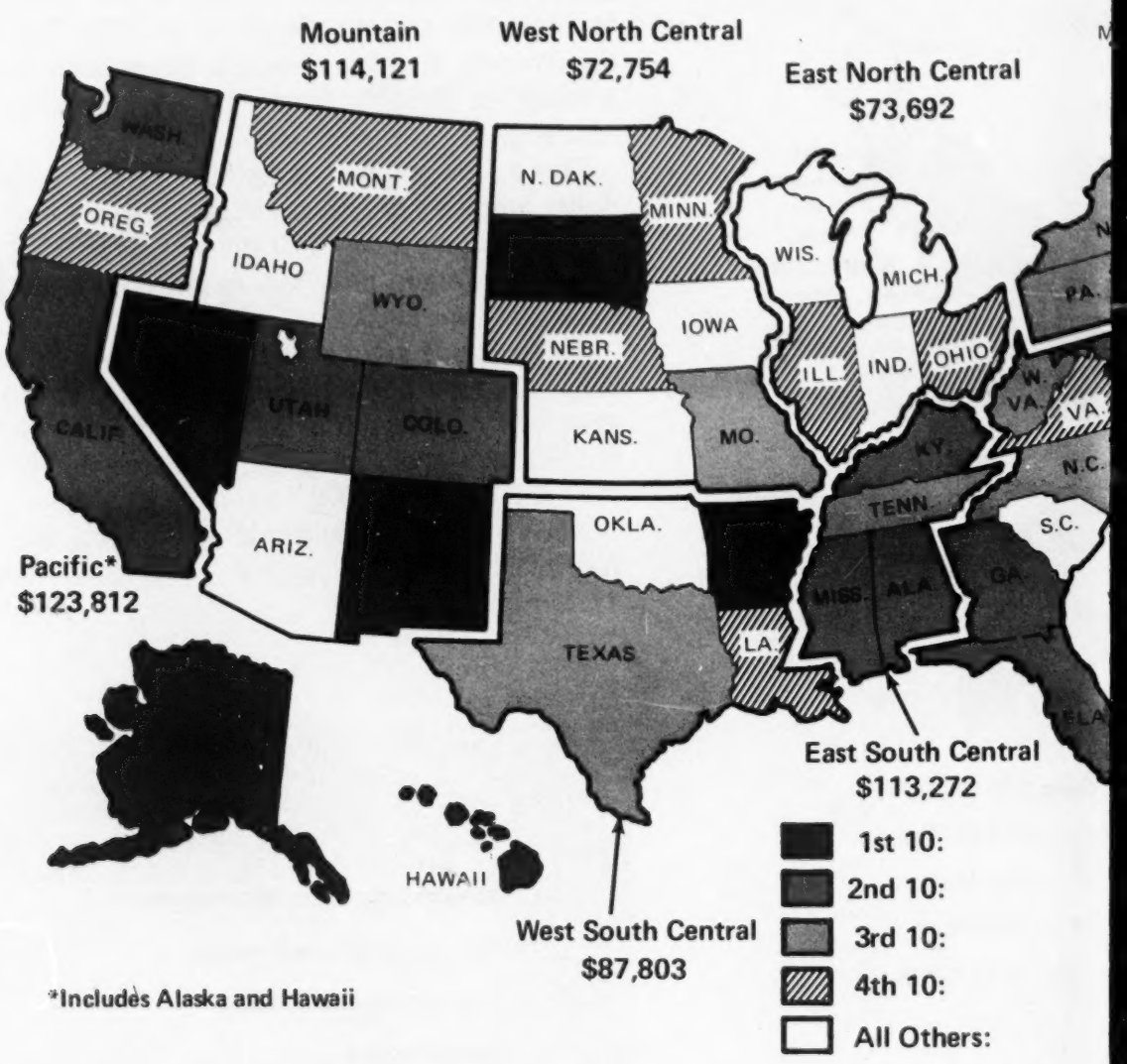
Geographic distribution of Federal R&D obligations to universities and co
per Ph.D. degrees awarded in the sciences and engineering, 19

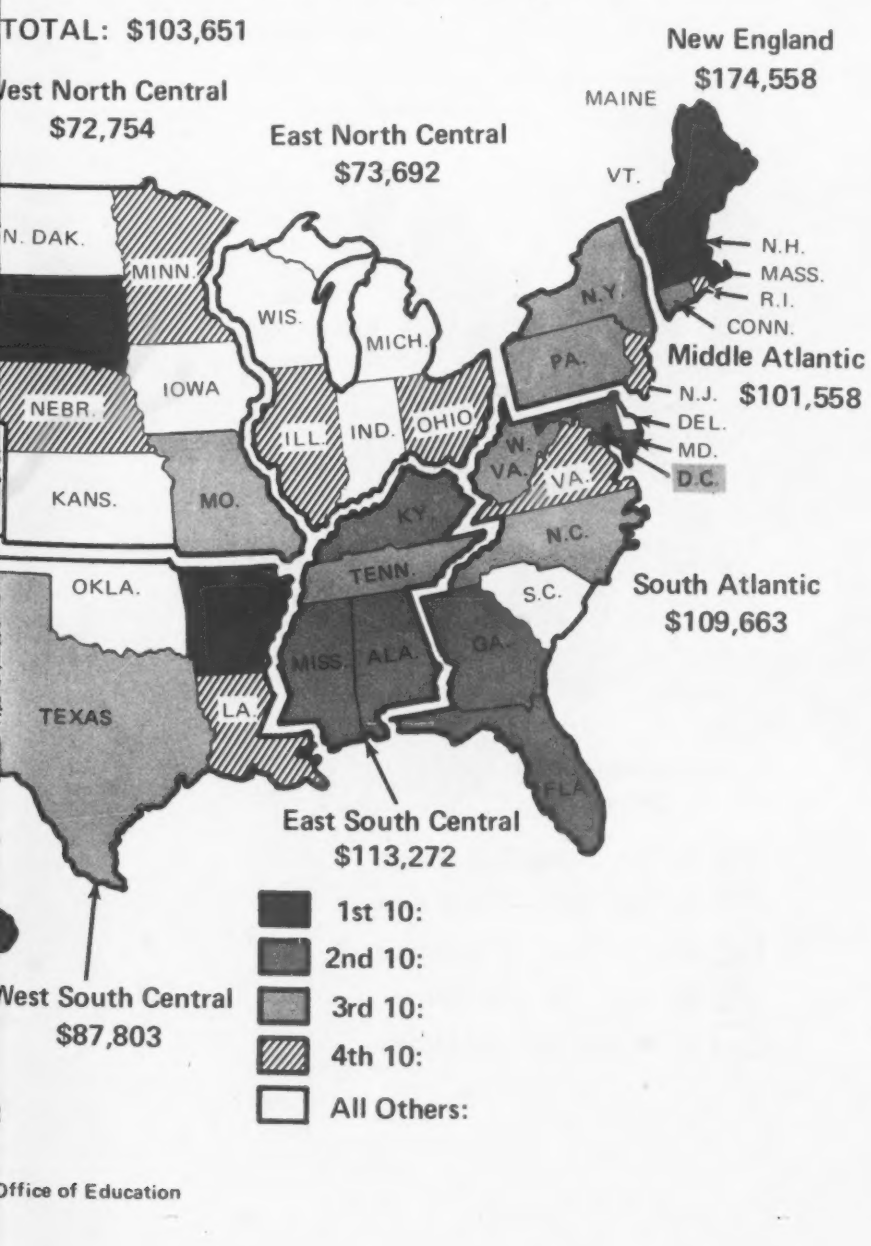
U.S. TOTAL: $103,651



*Includes Alaska and Hawaii

SOURCE: National Science Foundation (CASE); Office of Education

&D obligations to universities and colleges, FY 1970, d in the sciences and engineering, 1967-68



Office of Education

The close relationship between the percentage of Federal obligations received for research and development and the distribution of Ph.D. degrees conferred in the sciences and engineering appears in the similarity between the distribution of academic science funds and graduate science and engineering degrees. With the exception of Massachusetts, the variance between R&D support and Ph.D. degrees in the sciences and engineering was no more than 2 percentage points.

The top-10 ranking States shown in the chart at left were the same as in 1969. The first eight retained identical positions; Maryland and North Carolina exchanged places.

These 10 States received $920 million in R&D obligations, which was 63 percent of the total. They awarded 56 percent of the Ph.D. degrees in the sciences and engineering.

Nine of the 10 leading States ranked by the ratio of R&D obligations to Ph.D. degrees awarded in the sciences and engineering were those receiving less than 1 percent of the U.S. total for research and development at academic institutions, and also accounting for less than one-half of 1 percent of the degree total. Each of the nine States granted fewer than 100 Ph.D. degrees in the sciences and engineering in 1967-68; together they represented only 1.5 percent of the degree total.

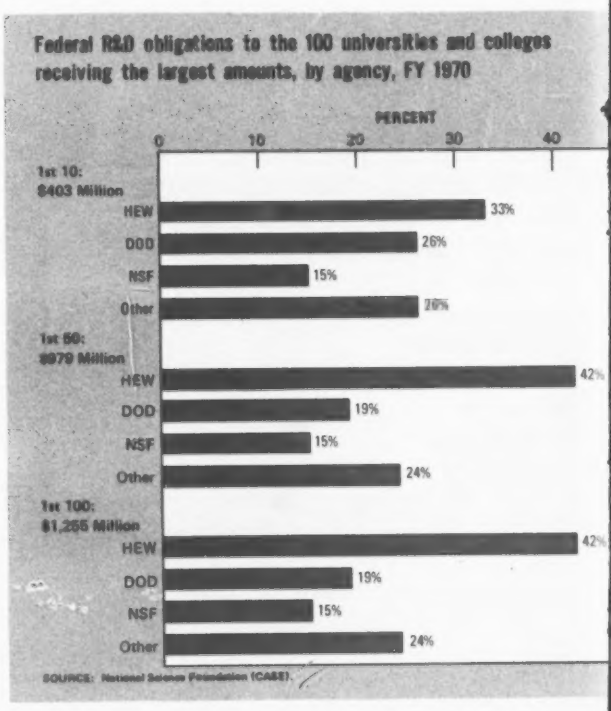
Massacusetts was the only State ranking in the top 10 for receipt of Federal obligations for research and development that also ranked in the first 10 in terms of the ratio of obligations to Ph.D. degrees awarded. This was due primarily to the amount of Federal R&D support to the Massachusetts Institute of Technology—$92 million in 1970, more than double the amount to the next largest recipient.

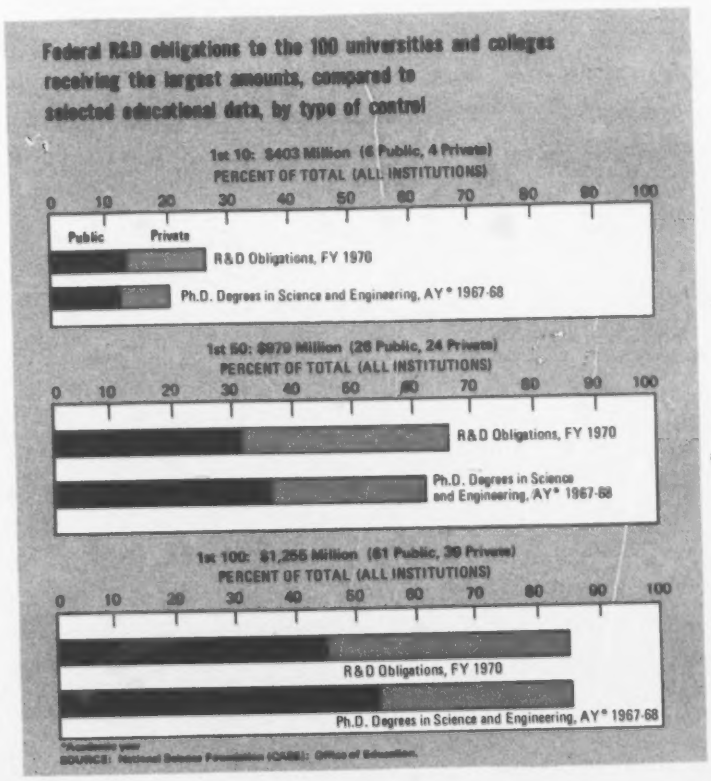
Beyond the first 10 there was no discernible pattern among the States ranked in terms of the ratio of R&D funds per Ph.D. degree awarded in the sciences and engineering. The relative amounts varied so greatly among the States that the resulting ratios did not provide conclusive data.

INSTITUTIONAL DISTRIBUTION

A high level of concentration of Federal R&D funds appears among the larger recipients. The first 10 institutions in terms of R&D obligations accounted for 28 percent of the total R&D support at universities and colleges and 43 percent of the obligations for R&D plant. The share of R&D support represented by the top 10 was 1 percentage point higher than in 1969, and the percentage of R&D plant was substantially greater than in 1969. The first 50 institutions received 67 percent of R&D obligations and 88 percent of R&D plant funds. This compared to the same percentage of R&D funds in 1969, but was a higher proportion of R&D plant support. The R&D projects of the first 100 institutions represented 86 percent and 97 percent of R&D and R&D plant obligations, respectively.

The ranking of the top recipients of R&D funds remained essentially the same in 1970 as in 1969.




Federal R&D obligations to the 100 universities and colleges receiving the largest amounts, compared to selected educational data, by type of control
1st 10: $403 Million (6 Public, 4 Private)
PERCENT OF TOTAL (ALL INSTITUTIONS)
0 10 20 30 40 50 60 70 80 90 100
Public
Private
R&D Obligations, FY 1970
Ph.D. Degrees in Science and Engineering, AY* 1967-68
1st 50: $979 Million (26 Public, 24 Private)
PERCENT OF TOTAL (ALL INSTITUTIONS)
0 10 20 30 40 50 60 70 80 90 100
R&D Obligations, FY 1970
Ph.D. Degrees in Science and Engineering, AY* 1967-68
1st 100: $1,255 Million (61 Public, 39 Private)
PERCENT OF TOTAL (ALL INSTITUTIONS)
0 10 20 30 40 50 60 70 80 90 100
R&D Obligations, FY 1970
Ph.D. Degrees in Science and Engineering, AY* 1967-68
*Academic year
SOURCE: National Science Foundation (CASE); Office of Education.

The University of Michigan and Harvard U
sity experienced decreases of 12 percent
percent, respectively; New York University
decline of 21 percent. R&D obligations to t
versity of California-San Diego rose by 22 p
to the University of Wisconsin-Madison by
cent, and to the University of Colorado
percent.

Within the top-100 list, the 61 public
trolled universities and colleges accoun
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and development, and awarded 54 percen
Ph.D. degrees in the sciences and engi
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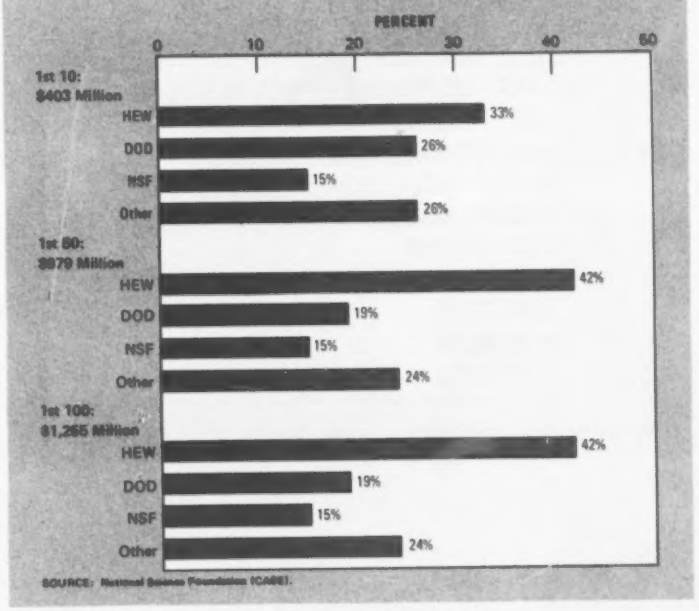
neering degree awarded, therefore, was
for privately controlled institutions.

There were 585 universities and colle
ceiving Federal R&D funds in 1970; this
sented a 5-percent reduction in the nu
institutions receiving such support in 19

Federal R&D obligations to the 100 universities and colleges receiving the largest amounts, by agency, FY 1970



SOURCE: National Science Foundation (CASE).

The University of Michigan and Harvard University experienced decreases of 12 percent and 13 percent, respectively; New York University had a decline of 21 percent. R&D obligations to the University of California-San Diego rose by 22 percent, to the University of Wisconsin-Madison by 15 percent, and to the University of Colorado by 19 percent.

Within the top-100 list, the 61 publicly controlled universities and colleges accounted for 45 percent of the total U.S. support for research and development, and awarded 54 percent of the Ph.D. degrees in the sciences and engineering. The private institutions represented 40 percent of total funding and granted 32 percent of total Ph.D. degrees in the sciences and engineering. The ratio of R&D funds per science and engineering degree awarded, therefore, was higher for privately controlled institutions.

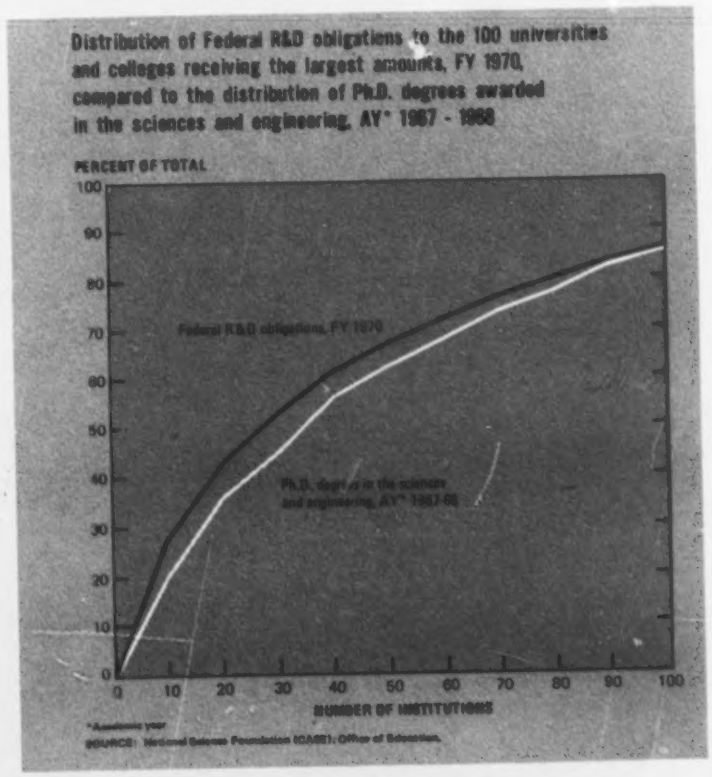
There were 585 universities and colleges receiving Federal R&D funds in 1970; this represented a 5-percent reduction in the number of institutions receiving such support in 1969. The ten receiving the largest amounts accounted for $403 million, more than one-fourth of the total funds.

HEW, DOD, and NSF accounted for approximately three-fourths of total Federal R&D support to the first-10, -50, and -100 institutions. The proportion of Federal support going to the first-10 recipients from DOD (26 percent) reflected the high concentration of DOD's R&D support among the top-10 universities. These institutions received 40 percent of the DOD total R&D obligations compared to 22 percent of HEW's funds and 28 percent of NSF's obligations.

With the exception of the Department of Commerce, the first-100 universities and colleges in Federal R&D obligations received at least 70 percent of each agency's total support for research and development.

While R&D obligations represented 45 percent of total U.S. support in 1970, they comprised the major portion of total Federal support to the top-

Distribution of Federal R&D obligations to the 100 universities and colleges receiving the largest amounts, FY 1970, compared to the distribution of Ph.D. degrees awarded in the sciences and engineering, AY* 1967 - 1968



*Academic year

SOURCE: National Science Foundation (CASE); Office of Education.

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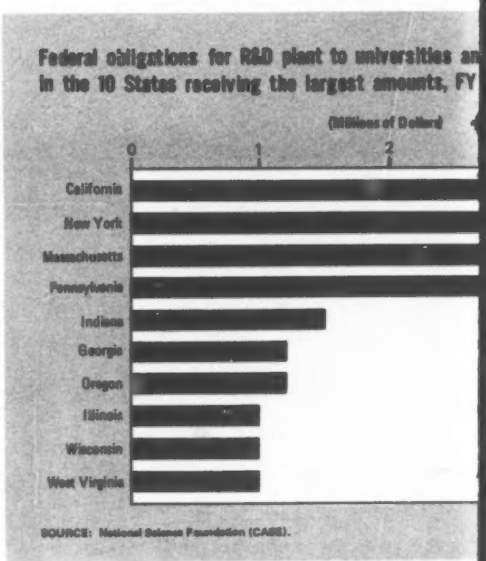
100 recipients. There were 61 institutions with R&D obligations equivalent to more than one-half of the total obligated by Federal agencies for all activities at each institution. The range of Federal R&D obligations as percent of an institution's total Federal support ranged from 100 percent for the University of Texas-Dallas to 11 percent at the University of Cincinnati.

Those universities and colleges receiving the largest amounts of R&D funding also accounted for correspondingly large percentages of Ph.D. degrees awarded in the sciences and engineering. The variance was no more than 7 percentage points, and it became substantially less as the number of institutions expanded from 50 to 100. The top-100 institutions represented 86 percent of both Federal R&D obligations and Ph.D. degrees in the sciences and engineering. All of these 100 universities and colleges receiving the largest amounts of R&D obligations are doctorate-granting institutions.[2]

[2] This includes those institutions which award only M.D. and D.D.S. degrees.



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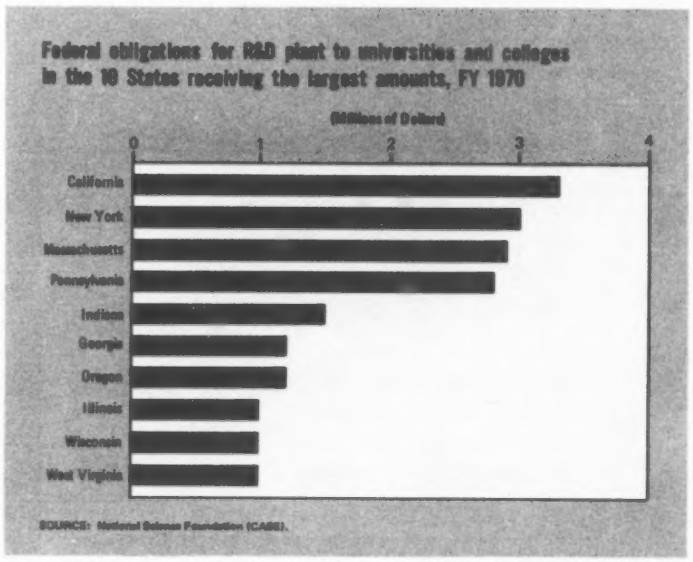


R&D PLANT

Federal support for R&D plant was $28 million in 1970, down from $57 million in 1969 and $104 million in 1968. Most of the 1969-70 reduction can be traced to the National Institutes of Health, which reported no R&D plant funds in 1970, compared to a total of $19 million in 1969. NSF support for R&D plant declined by $5 million to $19 million, and AEC funding dropped by $4 million to $7 million.

California led all States in receipt of R&D plant funds in 1970 with obligations totaling $3.3 million. New York, Massachusetts, and Pennsylvania each received amounts between $2.8 million and $3 million. Together, these four States accounted for over two-fifths of the 1970 R&D plant support.

The Massachusetts Institute of Technology was the leading recipient of R&D plant funding in 1970 with almost $2 million. There were 150 academic institutions receiving this type of support in 1970, declining from 404 in 1969 and 492 in 1968.

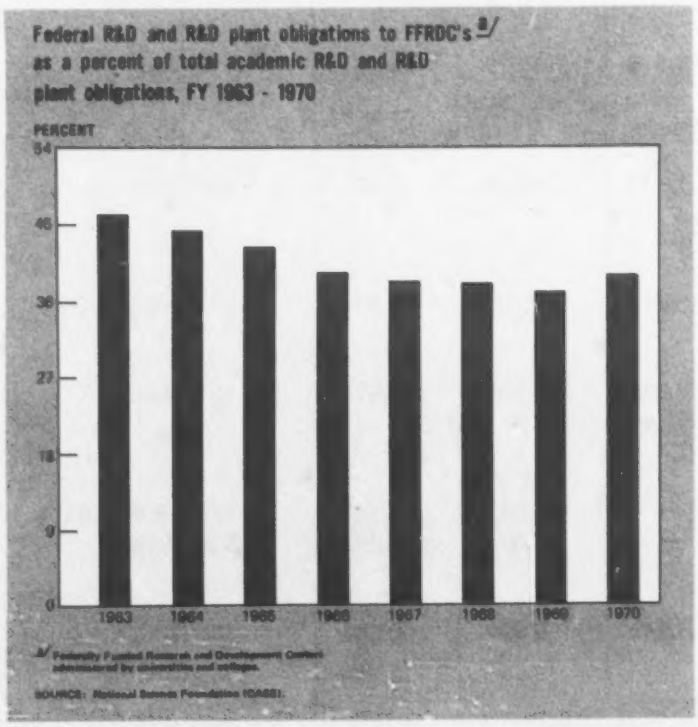
SECTION 5.

federally funded research and development centers ad by universities and colleges

Federally Funded Research and Development Centers (FFRDC's), administered by universities and colleges, are separately incorporated organizations performing R&D work upon direct request or under a broad charter from a Federal agency. In 1970 academically associated FFRDC's numbered 36 and received $961 million in Federal support, the largest amount of funds ever reported for these institutions (table 2). The 1970 total, representing a 5-percent increase over the 1969 figure, resulted from a $9 million, or 1-percent, increase in the funding level of R&D operations and a $36 million, or 29-percent, rise in R&D plant support.

The level of FFRDC funding relative to total Federal academic R&D obligations (inclusive of FFRDC's) declined steadily from 46 percent 1963 to 37 percent in 1969. This trend was int rupted in 1970, however, when this ratio rose 39 percent as a result of a $44 million increase the FFRDC total and a $61 million decrease Federal R&D and R&D plant support to univ sities and colleges.

The ratio of R&D plant funds for R&D ope tional support is substantially higher at FFRD than at universities and colleges: 20 percent 2 percent. The equipment and facilities requi to conduct research projects at the FFRDC's in general, far more complex and expensive t that required for the types of research activi performed in and initiated by university-ow laboratories. This, in large measure, is why se



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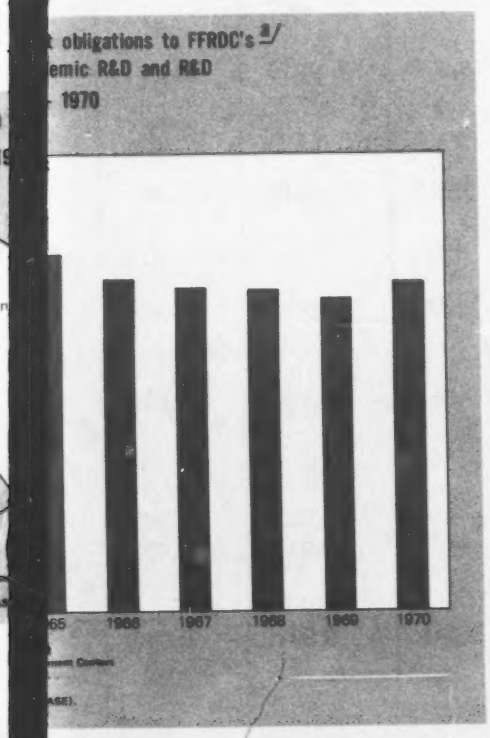
FFRDC's) declined steadily from 46 percent in 1963 to 37 percent in 1969. This trend was interrupted in 1970, however, when this ratio rose to 39 percent as a result of a $44 million increase in the FFRDC total and a $61 million decrease in Federal R&D and R&D plant support to universities and colleges.

The ratio of R&D plant funds for R&D operational support is substantially higher at FFRDC's than at universities and colleges: 20 percent vs. 2 percent. The equipment and facilities required to conduct research projects at the FFRDC's are, in general, far more complex and expensive than that required for the types of research activities performed in and initiated by university-owned laboratories. This, in large measure, is why separate Government-owned facilities were established. Exemplifying the cost and type of facility that is required for the performance of large-scale research projects is the 200-BeV proton accelerator now under construction at the National Accelerator Laboratory in Batavia, Ill. This one facility, accounting for $42 million in R&D plant in 1970, is being built over a 5-year period and will be the largest accelerator in the world; its total cost is estimated at $250 million. This atom smasher will enable scientists to explore the nucleus of an atom in terms of its most minute particles of matter. Other construction activity that received sizable plant support—$20 million—in 1970 was the $55 million Los Alamos Meson Physics (LAMP) facility.



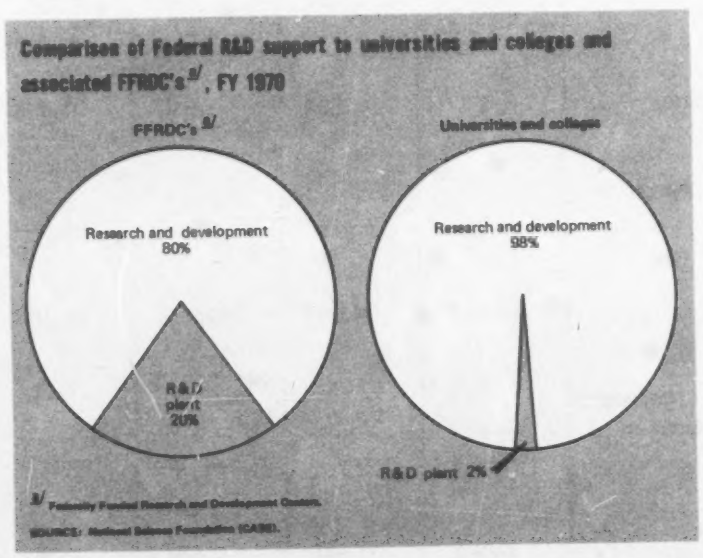

Comparison of Federal R&D support to universities and colleges and associated FFRDC's a/, FY 1970
FFRDC's a/
Research and development 80%
R&D plant 20%
Universities and colleges
Research and development 98%
R&D plant 2%
a/ Federally Funded Research and Development Centers.
SOURCE: National Science Foundation (CASE).

Table 2. Federal obligations to Federally Funded Research and Development Centers administer

[Dollars in thousands]

Location and name	Federal obligations					
	1963	1964	1965	1966	1967	1968
Total	$814,082	$862,353	$895,287	$917,631	$907,549	$935,820
Arizona:						
Kitt Peak National Observatory[a]	3,750	4,400	6,915	5,791	5,485	12,475
Cerro-Tololo Inter-American Observatory (Chile)a	1,100	1,100	1,465	1,471	1,713	2,325
California:						
Jet-Propulsion Laboratory[b]	230,168	226,194	245,094	230,091	222,169	206,074
Stanford Linear Accelerator Center	16,193	24,122	43,943	50,969	30,891	28,996
Lawrence Radiation Laboratory	162,854	169,424	156,254	169,870	174,661	184,500
Center for Research and Development in Higher Education	———	———	———	———	849	1,459
Center for the Study of the Evaluation of Instructional Program	———	———	———	———	534	868
Stanford Center for Research and Development in Teaching	———	———	———	———	797	1,597
Colorado:						
National Center for Atmospheric Research[a]	6,019	10,036	8,941	11,791	16,576	14,679
District of Columbia:						
Center for Research in Social Systems	947	934	1,843	1,808	1,936	1,618
Georgia:						
Research and Development Center in Educational Stimulation	———	———	———	———	732	1,294
Illinois:						
Argonne National Laboratory[c]	74,947	84,507	86,329	87,255	97,262	113,178
Coordination Center for the National Program in Early Childhood Education	———	———	———	———	———	1,562
National Accelerator Laboratory[a]	———	———	———	———	———	3,377
Iowa:						
Ames Laboratory	6,549	7,360	8,464	9,089	9,371	9,891

ederally Funded Research and Development Centers administered by universities and colleges, fiscal years 1963-70

[Dollars in thousands]

Federal obligations								Sponsoring Agency	Administered by—
3	1964	1965	1966	1967	1968	1969	1970		
082	$862,353	$895,287	$917,631	$907,549	$935,820	$916,872	$960,906		
750	4,400	6,915	5,791	5,485	12,475	5,700	6,400	NSF	Association of Universities for Research in Astronomy, Inc.
100	1,100	1,465	1,471	1,713	2,325	4,550	1,900	NSF	Association of Universities for Research in Astronomy, Inc.
168	226,194	245,094	230,091	222,169	206,074	156,295	180,047	NASA	California Institute of Technology
193	24,122	43,943	50,969	30,891	28,996	31,001	27,051	AEC	Stanford University
354	169,424	156,254	169,870	174,661	184,500	179,185	187,686	AEC	University of California
--	----	----	----	849	1,459	938	879	HEW (OE)	University of California
--	----	----	----	534	868	809	648	HEW (OE)	University of California
--	----	----	----	797	1,597	5,007	928	HEW (OE)	Stanford University
019	10,036	8,941	11,791	16,576	14,679	14,061	11,414	NSF	University Corporation for Atmospheric Research
947	934	1,843	1,808	1,936	1,618	1,861	620	DOD (Army)	American University
--	----	----	----	732	1,294	809	339	HEW (OE)	University of Georgia
947	84,507	86,329	87,255	97,262	113,178	112,874	104,187	AEC	University of Chicago and Argonne Universities Association
--	----	----	----	----	1,562	1,723	473	HEW (OE)	University of Illinois
--	----	----	----	----	3,377	14,763	49,527	AEC	University Research Association
649	7,360	8,464	9,089	9,371	9,891	8,886	8,885	AEC	Iowa State University of Science and Technology

Table 2.–Federal obligations to Federally Funded Research and Development Centers adm

Location and name	Federal obligations				
	1963	1964	1965	1966	1967
Maryland:					
Applied Physics Laboratory	42,096	49,124	54,097	52,491	47,172
Center for the Study of Social Organization of Schools and Learning Process	———	———	———	———	———
Massachusetts:					
Cambridge Electron Accelerator[d]	5,946	5,717	5,851	6,130	6,786
	2,632	3,424	3,792	3,517	3,596
Lincoln Laboratory	70,606	78,764	68,683	64,060	66,989
Center for Research and Development in Educational Differences[e]	———	———	———	1,112	1,16
New Jersey:					
Plasma Physics Laboratory	7,542	8,268	6,997	6,556	6,57
Princeton-Pennsylvania Accelerator[d]	6,224	5,500	7,521	8,825	7,97
	881	1,790	1,982	1,801	1,77
New Mexico:					
Los Alamos Scientific Laboratory	93,020	97,680	94,636	103,111	102,21
New York:					
Brookhaven National Laboratory[a]	59,180	58,619	63,564	64,407	64,16
Hudson Laboratory[e]	3,780	3,939	4,195	4,673	4,70
Oregon:					
Center for the Advanced Study of Educational Administration	———	509	534	663	67
Pennsylvania:					
Ordnance Research Laboratory	3,763	4,827	7,025	9,597	8,12
Learning Research and Development Center	———	———	754	642	1,30
Puerto Rico:					
Aerecibo Observatory[f]	———	———	———	———	———
Tennessee:					
Oak Ridge Associated Universities[a]	4,291	5,059	5,695	6,168	5,62
Texas:					
Research and Development Center in Teacher Education	———	———	———	———	76

Federally Funded Research and Development Centers administered by universities and colleges, fiscal years 1963-70 (Continued)

Federal obligations								Sponsoring Agency	Administered by—
1963	1964	1965	1966	1967	1968	1969	1970		
42,096	49,124	54,097	52,491	47,172	49,719	51,218	53,444	DOD (Navy)	Johns Hopkins University
———	———	———	———	———	742	620	650	HEW (OE)	Johns Hopkins University
5,946	5,717	5,851	6,130	6,786	4,778	4,849	4,412	AEC	Harvard University
2,632	3,424	3,792	3,517	3,596					Massachusetts Institute of Technology
70,606	78,764	68,683	64,060	66,989	62,319	61,379	55,648	DOD (Air Force)	Massachusetts Institute of Technology
———	———	———	1,112	1,165	———	———	———	HEW (OE)	Harvard University
7,542	8,268	6,997	6,556	6,572	7,446	7,796	7,680	AEC	Princeton University
									Princeton University
6,224	5,500	7,521	8,825	7,971	6,422	6,461	5,090	AEC	University of Pennsylvania
881	1,790	1,982	1,801	1,775					
93,020	97,680	94,636	103,111	102,213	109,387	114,698	140,914	AEC	University of California
59,180	58,619	63,564	64,407	64,160	66,814	74,995	72,660	AEC	Associated Universities, Inc.
3,780	3,939	4,195	4,673	4,708	4,800	3,080	———	DOD (Navy)	Columbia University
———	509	534	663	676	590	519	596	HEW (OE)	University of Oregon
3,763	4,827	7,025	9,597	8,120	9,371	8,577	8,412	DOD (Navy)	Pennsylvania State University
———	———	754	642	1,309	1,465	7,083	1,465	HEW (OE)	University of Pittsburgh
———	———	———	———	———	———	———	2,106	NSF	Cornell University
4,291	5,059	5,695	6,168	5,620	4,770	5,276	5,179	AEC	Oak Ridge Associated Universities
———	———	———	———	763	1,190	820	656	HEW (OE)	University of Texas

Table 2.–Federal obligations to Federally Funded Research and Development Cente

Location and name	Federal obli				
	1963	1964	1965	1966	
Virginia:					
Center for Naval Analyses	———	———	———	———	
Human Resources Research Office[9]	2,794	3,081	3,382	2,752	
Space Radiation Effects Laboratory	———	———	———	729	
Washington:					
Applied Physics Laboratory	3,200	2,275	2,178	5,145	
West Virginia:					
National Radio Astronomy Observatory[a]	4,550	4,600	3,380	4,719	
Wisconsin:					
Army Mathematics Research Center	1,050	1,100	1,273	1,390	
Center for Research and Development for Learning and Re-education	———	———	500	808	

[a]One of seven administered by university consortia.

[b]Includes sizeable amounts subcontracted, principally to industrial firms.

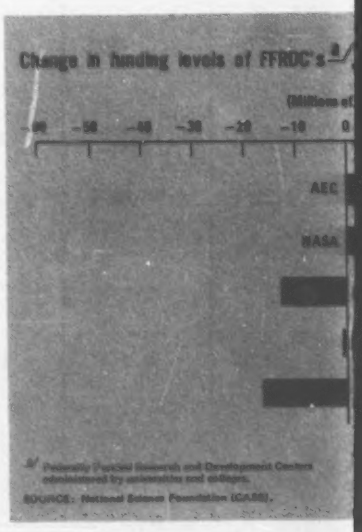
[c]Administered by both university and consortium.

[d]Figures for 1968-70 were reported on a somewhat different basis.

AGENCY DISTRIBUTION

The Atomic Energy Commission and the National Aeronautics and Space Administration, together accounting for more than four-fifths of total Federal support to FFRDC's administered by universities and colleges, increased their funds to these centers by 9 percent, or $52 million, and 12 percent, or $20 million, respectively, from 1969 to 1970.

Contrary to the increase in AEC and NASA activities at FFRDC's, support for programs sponsored by the Department of Defense, National Science Foundation, and Department of Health, Education, and Welfare declined by $29 million. A $16 million, or 66 percent, drop in the Office of Education's FFRDC funding level, from $24



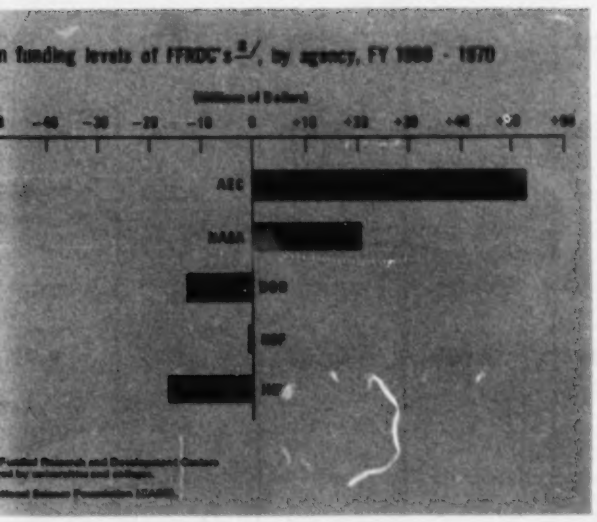
nd Development Centers administered by universities and colleges, fiscal years 1963-70 (Continued)

Federal obligations						Sponsoring Agency	Administered by—
1965	1966	1967	1968	1969	1970		
----	----	----	8,838	9,218	9,085	DOD (Navy)	University of Rochester
3,382	2,752	2,853	1,645	3,445	----	DOD (Army)	George Washington University
----	729	1,815	586	1,213	865	NASA	College of William and Mary
2,178	5,145	2,836	3,192	3,205	2,682	DOD (Navy)	University of Washington
3,380	4,719	5,062	4,865	7,278	5,800	NSF	Associated Universities, Inc.
1,273	1,390	1,378	1,300	1,350	1,280	DOD (Army)	University of Wisconsin
500	808	1,034	1,688	5,330	1,298	HEW (OE)	University of Wisconsin

[e]Phased out as an FFRDC as of the end of FY 1969.

[f]The observatory became an FFRDC in 1970 when the National Science Foundation assumed responsibility for the support of the research programs of this institution.

[g]FFRDC status in FY 1970 changed from "university administered" to "nonprofit administered"; 1970 data for this institution are included in part II, section 2.



million to $8 million, accounted for more than one-half the decline in FFRDC obligations from the three agencies. The cut in OE support occurred almost entirely in new construction funding, which fell from a level of $14 million in 1969 to zero in 1970.

Although AEC awards more than three-fifths—$613 million—of Federal funds going to FFRDC's, its support is divided among 11 centers and, therefore, is not as heavily concentrated as that of some of the other agencies. The AEC centers are located in eight States included in seven geographic divisions, with no more than 31 percent of this agency's funds going to any one institution and no more than 35 percent to any one State (table 3).

Table 3.—Federal obligations to Federally Funded Research and Development universities and colleges, by agency, institution, and type of support,

[Dollars in thousands]

Agency and institution	Location	Total Federal obligations	Research and development	R pl
United States, total		$960,906	$799,670	$15
Atomic Energy Commission		613,251	464,201	14
Ames Laboratory	Iowa	8,885	7,506	
Argonne National Laboratory	Illinois	104,187	85,188	1
Brookhaven National Laboratory	New York	72,640	49,829	2
Cambridge Electron Accelerator	Massachusetts	4,412	3,476	
Lawrence Radiation Laboratory	California	187,686	168,347	1
Los Alamos Scientific Laboratory	New Mexico	140,914	105,616	3
National Accelerator Laboratory	Illinois	49,527	6,597	4
Oak Ridge Associated Universities	Tennessee	5,179	2,223	
Plasma Physics Laboratory	New Jersey	7,680	7,458	
Princeton-Pennsylvania Accelerator	New Jersey	5,090	4,118	
Stanford Linear Accelerator Center	California	27,051	23,843	
Department of Defense		131,213	131,213	—
Army		1,922	1,922	—
Army Mathematics Center	Wisconsin	1,280	1,280	—
Center for Research in Social Systems	Washington, D.C.	620	620	—
National Center for Atmospheric Research[a]	Colorado	22	22	—
Navy		73,623	73,623	—
Applied Physics Laboratory	Maryland	53,444	53,444	—
Applied Physics Laboratory	Washington	2,682	2,682	—
Center for Naval Analyses	Virginia	9,085	9,085	—
Ordnance Research Laboratory	Pennsylvania	8,412	8,412	—
Air Force		55,648	55,648	—
Lincoln Laboratory	Massachusetts	55,648	55,648	—
Departmentwide Funds		20	20	—
Brookhaven National Laboratory	New York	20	20	—

—Federal obligations to Federally Funded Research and Development Centers administered by universities and colleges, by agency, institution, and type of support, fiscal year 1970

[Dollars in thousands]

	Location	Total Federal obligations	Research and development	R & D plant	Other science	Administered by—
.....		$960,906	$799,670	$156,794	$4,442	
.....		613,251	464,201	144,608	4,442	
.....	Iowa	8,885	7,506	1,170	209	Iowa State University
.....	Illinois	104,187	85,188	17,827	1,172	University of Chicago and Argonne Universities Association
.....	New York	72,640	49,829	22,615	196	Associated Universities, Inc.
.....	Massachusetts	4,412	3,476	936	———	Massachusetts Institute of Technology, Harvard University
.....	California	187,686	168,347	19,210	129	University of California
.....	New Mexico	140,914	105,616	35,298	———	University of California
.....	Illinois	49,527	6,597	42,930	———	University Research Association
.....	Tennessee	5,179	2,223	230	2,726	Oak Ridge Associated Universities
.....	New Jersey	7,680	7,458	222	———	Princeton University
.....	New Jersey	5,090	4,118	972	———	University of Pennsylvania and Princeton University
.....	California	27,051	23,843	3,198	10	Stanford University
.....		131,213	131,213	———	———	
.....		1,922	1,922	———	———	
.....	Wisconsin	1,280	1,280	———	———	University of Wisconsin
.....	Washington, D.C.	620	620	———	———	American University
.....	Colorado	22	22	———	———	University Corporation for Atmospheric Research
.....		73,623	73,623	———	———	
.....	Maryland	53,444	53,444	———	———	Johns Hopkins University
.....	Washington	2,682	2,682	———	———	University of Washington
.....	Virginia	9,085	9,085	———	———	University of Rochester
.....	Pennsylvania	8,412	8,412	———	———	Pennsylvania State University
.....		55,648	55,648	———	———	
.....	Massachusetts	55,648	55,648	———	———	Massachusetts Institute of Technology
.....		20	20	———	———	
.....	New York	20	20	———	———	Associated Universities, Inc.

Table 3.–Federal obligations Federally Funded Research and Dev
and colleges, by agency, institution, and type of supp

Agency and institution	Location	Total Federal obligations
Department of Health, Education, and Welfare		7,932
Office of Education		7,932
Center for the Advanced Study of Educational Administration	Oregon	596
Center for Research and Development in Higher Education	California	879
Center for Research and Development for Learning and Re-education	Wisconsin	1,298
Center for Study of Evaluation of Instructional Programs	California	648
Learning Research and Development Center	Pennsylvania	1,465
Research and Development Center of Educational Stimulation	Georgia	339
Research and Development Center in Teacher Education	Texas	656
Stanford Center for Research and Development in Teaching	California	928
Center for Study of Social Organization of Schools and the Learning Process	Maryland	650
Coordination Center for the National Program in Early Childhood Education	Illinois	473
National Aeronautics and Space Administration		180,692
Jet Propulsion Laboratory	California	179,827
Space Radiation Effects Laboratory	Virginia	865
National Science Foundation		27,506
Cerro-Tololo Inter-American Observatory	Chile	1,900
Kitt Peak National Observatory	Arizona	6,400
National Center for Atmospheric Research[a]	Colorado	11,300
National Radio Astronomy Observatory	West Virginia	5,800
Aerecibo Observatory	Puerto Rico	2,106
Other agencies (Commerce and Transportation)		312
Jet Propulsion Laboratory	California	220
National Center for Atmospheric Research[a]	Colorado	92

[a]Received funds from the National Science Foundation, the Department of Defense, and the Department of Commerce.

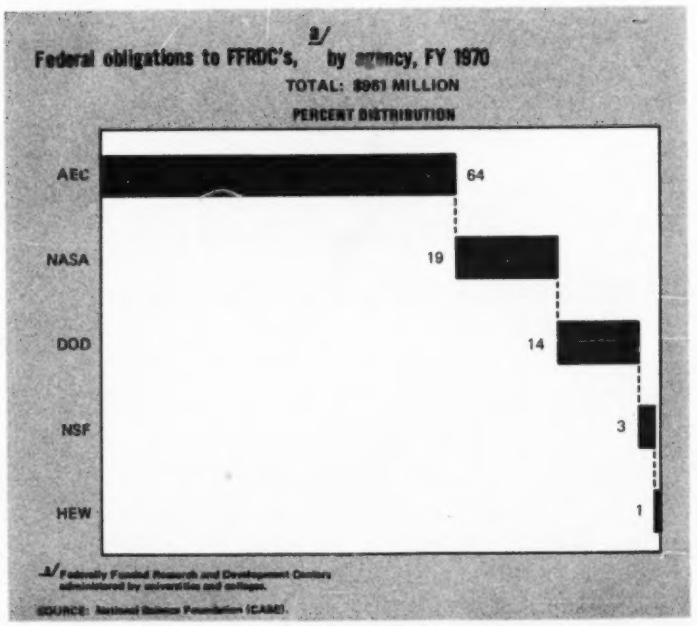
SOURCE: National Science Foundation (CASE).

Federal obligations Federally Funded Research and Development Centers administered by universities and colleges, by agency, institution, and type of support, fiscal year 1970 (Continued)

	Location	Total Federal obligations	Research and development	R & D plant	Other science	Administered by—
. . . . .		7,932	7,932	----	----	
. . . . .		7,932	7,932	----	----	
al Administration . . .	Oregon	596	596	----	----	University of Oregon
her Education	California	879	879	----	----	University of California
t for Learning and	Wisconsin	1,298	1,298	----	----	University of Wisconsin
nal Programs	California	648	648	----	----	University of California
. . . . .	Pennsylvania	1,465	1,465	----	----	University of Pittsburgh
ional Stimulation . . .	Georgia	339	339	----	----	University of Georgia
r Education	Texas	656	656	----	----	University of Texas
ent in Teaching	California	928	928	----	----	Stanford University
chools and the Learning	Maryland	650	650	----	----	Johns Hopkins University
am in Early Childhood	Illinois	473	473	----	----	University of Illinois
. . . . .		180,692	169,666	11,026	----	
. . . . .	California	179,827	168,805	11,022	----	California Institute of Technology
. . . . .	Virginia	865	861	4	----	College of William and Mary
. . . . .		27,506	26,346	1,160	----	
. . . . .	Chile	1,900	1,600	300	----	Association of Universities for Research in Astronomy, Inc.
. . . . .	Arizona	6,400	6,350	50	----	Association of Universities for Research in Astronomy, Inc.
. . . . .	Colorado	11,300	11,290	10	----	University Corporation for Atmospheric Research
. . . . .	West Virginia	5,800	5,150	650	----	Associated Universities, Inc.
. . . . .	Puerto Rico	2,106	1,956	150	----	Cornell University
. . . . .		312	312	----	----	
. . . . .	California	220	220	----	----	California Institute of Technology
. . . . .	Colorado	92	92	----	----	University Corporation for Atmospheric Research

dation, the Department

E).



The $613 million allocated by AEC in 1970 covered a wide range of activities. A considerable portion of the total went into R&D projects aimed at improving the nuclear weapons systems to maintain U.S. leadership in this area. Other areas of national interest, however, are receiving increasing attention at AEC's FFRDC's. Specific activities include the following:

(1) Development of techniques for safe applications of nuclear explosives to various peaceful projects such as development of techniques for large-scale nuclear excavation;
(2) development of liquid metal fast breeder reactors whose eventual commercial development will be for generation of electricity;
(3) improvement of radiation techniques in the diagnosis and treatment of disease; and
(4) research on ozone treatment of acid mine drainage to stop water pollution in the Nation's rivers and streams resulting from such contaminants.

NASA, on the other hand, because of the very large individual projects associated with R&D work on space-related activities, e.g., the construction project for the Apollo program, has contracted almost all of its FFRDC activity through one center, the Jet Propulsion Laboratory in California.

INSTITUTIONAL DISTRIBUTION

Although the same number of FFRDC's received Federal support in 1970 as in 1969, the funding levels of individual institutions showed an overall increase in concentration of support. The first 10 recipients in Federal support, representing approximately one-quarter of the total number of FFRDC's, increased their share of total FFRDC funding from 88 percent in 1969 to 92 percent in 1970. The institutions comprising the first 10 in 1970 were the same as those in the leading 10 in 1969. Six of the first 10 are sponsored by AEC, 2 by DOD, 1 by NASA, and 1 by NSF.

For the second consecutive year R&D programs carried on at Lawrence Radiation Laboratory received the largest share of Federal aid. LRL funding went up by $8.5 million to $188 million, the highest amount reported for this FFRDC during the 1963-70 period. The largest 1969-70 increase was $34.8 million, received by AEC's Na-

(3) improvement of radiation techniques in the diagnosis and treatment of disease; and
(4) research on ozone treatment of acid mine drainage to stop water pollution in the Nation's rivers and streams resulting from such contaminants.

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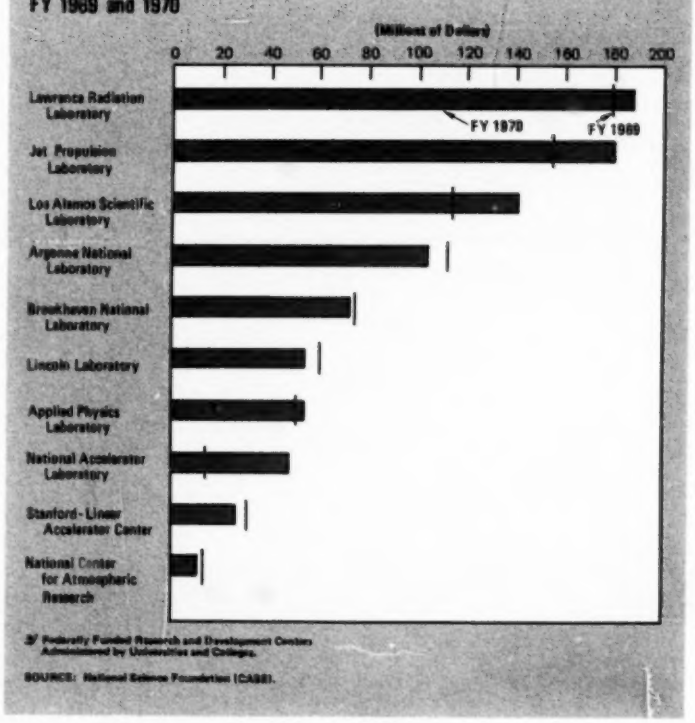
Federal obligations to the 10 FFRDC's [3] receiving the largest amounts, FY 1969 and 1970



[3] Federally Funded Research and Development Centers Administered by Universities and Colleges.

SOURCE: National Science Foundation (CASE).

PART II

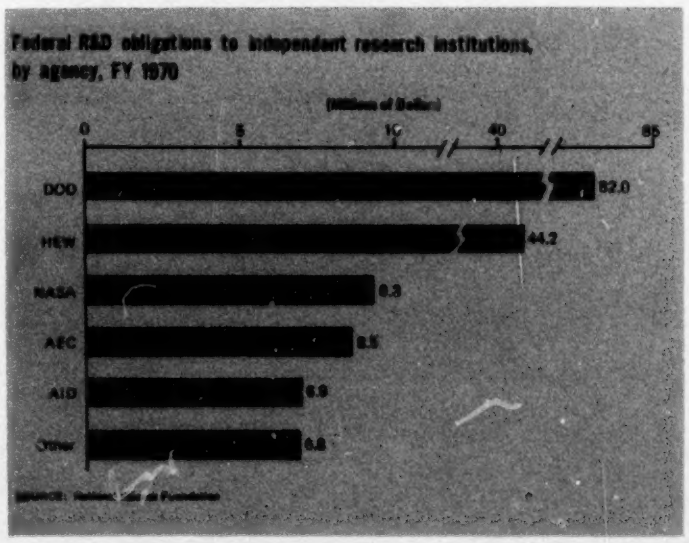
federal support to selected nonprofit institutions

SECTION 1.

federal support to independent research institutions

The 54 independent, nonprofit research institutions included in this section received $158 million for R&D activities in 1970 (table 4). The institutions chosen for this study were selected because of their relatively high level of Federal obligations.[1] All are autonomous units, though some maintain close-working relationships with universities.

[1] See technical notes, p. 34, for information on the definitions and concepts used in this part of the report.



AGENCY DISTRIBUTION

The Department of Defense obligated the largest amount to these institutions—$82 million to 32 recipients in 1970. Within this Department, the funds were obligated as follows:

	(millions of dollars)
Army	$38.8
Navy	14.8
Air Force	28.4

Ten of the DOD-supported, independent nonprofit research institutions had obligations of more than $1 million; they accounted for 95 percent of the DOD total.[2] The top-5 recipients—Stanford Research Institute, Cornell Aeronautical Laboratory, Battelle Memorial Institute, Riverside Research Institute, and IIT Research Institute—received three-fourths of the Defense amount in 1970. Institutions in New York and California accounted for three-fifths of the Defense total, with obligations of $27 million and $25 million, respectively.

The Department of Health, Education and Welfare obligated the next largest amount to non-

[2] This does not include obligations to Federally Funded Research and Development Centers administered by nonprofit institutions. They are covered in the following section, page 30.

ependent research institutions

AGENCY DISTRIBUTION

The Department of Defense obligated the largest amount to these institutions—$82 million to 32 recipients in 1970. Within this Department, the funds were obligated as follows:

	(millions of dollars)
Army	$38.8
Navy	14.8
Air Force	28.4

Ten of the DOD-supported, independent nonprofit research institutions had obligations of more than $1 million; they accounted for 95 percent of the DOD total.[2] The top-5 recipients—Stanford Research Institute, Cornell Aeronautical Laboratory, Battelle Memorial Institute, Riverside Research Institute, and IIT Research Institute—received three-fourths of the Defense amount in 1970. Institutions in New York and California accounted for three-fifths of the Defense total, with obligations of $27 million and $25 million, respectively.

The Department of Health, Education and Welfare obligated the next largest amount to nonprofit research institutions—$44 million to 46 organizations. Those HEW agencies concerned with health activities provided 96 percent of the departmental support to this selected group of research institutions, with NIH accounting for 85 percent. Institutions in the Middle Atlantic division received $12 million from HEW and those in the Pacific division $9 million. There were 16 institutions that received obligations of more than $1 million from HEW, and they represented 78 percent of this total. The top-ranking 6, each with support in excess of $2.5 million, were 44 percent of the HEW total.

The other Federal agencies provided $31 million in 1970 to the nonprofit, research institutions included in the survey. NASA and AEC each obligated about $9 million, and AID awarded almost $7 million.

INSTITUTIONAL DISTRIBUTION

The 19 institutions each of which received total Federal obligations of more than $2 million for research and development in 1970 accounted for $134 million, or 85 percent of the total. They received $120 million in 1969 and $123 million in 1968.

Seven nonprofit research institutions received Federal support for R&D plant in 1970 for a

[2] This does not include obligations to Federally Funded Research and Development Centers administered by nonprofit institutions. They are covered in the following section, page 30.

TABLE 4 FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTITUTIONS BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY FISCAL YEAR 1970

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION, & WELFARE	DEPARTMENT OF THE INTERIOR	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	NATIONAL SCIENCE FOUNDATION	OTHER[a]
UNITED STATES, TOTAL	$157,694	$ 328	$ 8,518	$ 320	$ 82,038	$ 44,235	$ 1,605	$ 9,286	$ 2,517	$ 8,847
NEW ENGLAND, TOTAL	7,122	65	186	0	186	6,417	0	19	249	0
MAINE, TOTAL	1,481	0	83	0	0	1,398	0	0	0	0
JACKSON LABORATORY	1,481	0	83	0	0	1,398	0	0	0	0
MASSACHUSETTS, TOTAL	5,641	65	103	0	186	5,019	0	19	249	0
BLOOD RESEARCH INSTITUTE, INC	467	65	0	0	47	355	0	0	0	0
CHILDRENS CANCER RESEARCH FOUNDATION	2,363	0	0	0	61	2,302	0	0	0	0
MARINE BIOLOGICAL LABORATORY	303	0	18	0	0	149	0	0	136	0
RETINA FOUNDATION	821	0	0	0	78	630	0	0	113	0
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY	1,687	0	85	0	0	1,583	0	19	0	0
MIDDLE ATLANTIC, TOTAL	48,879	0	640	70	30,142	11,521	119	1,931	1,276	3,180
NEW JERSEY, TOTAL	544	0	0	0	0	544	0	0	0	0
INSTITUTE FOR MEDICAL RESEARCH	544	0	0	0	0	544	0	0	0	0
NEW YORK, TOTAL	39,831	0	500	70	27,121	7,023	0	1,570	775	2,772
BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH	434	0	0	0	0	248	0	0	186	0
COLD SPRING HARBOR LAB OF QUANTITATIVE BIOLOGY	683	0	7	0	0	495	0	0	181	0
CORNELL AERONAUTICAL LABORATORY	20,552	0	62	70	16,236	0	0	1,412	0	2,772
HASKINS LABORATORIES, INC	380	0	0	0	62	239	0	0	79	0
HUDSON INSTITUTE, INC	350	0	0	0	252	0	0	98	0	0
INSTITUTE FOR MEDICAL RESEARCH AND STUDIES	244	0	0	0	0	160	0	30	54	0
PUBLIC HEALTH RESEARCH INSTITUTE OF NEW YORK	1,465	0	0	0	53	1,137	0	0	275	0
RIVERSIDE RESEARCH INSTITUTE	7,130	0	0	0	6,946	184	0	0	0	0
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH	4,931	0	431	0	0	4,500	0	0	0	0
SYRACUSE UNIVERSITY RESEARCH CORP	3,662	0	0	0	3,572	60	0	30	0	0
PENNSYLVANIA, TOTAL	8,504	0	140	0	3,021	3,954	119	361	501	408
AMERICAN INSTITUTE FOR RESEARCH	3,530	0	0	0	2,193	1,086	0	89	45	117
BARTOL RESEARCH FOUNDATION OF THE FRANKLIN INSTITUTE	390	0	0	0	25	0	0	153	212	0
FRANKLIN INSTITUTE	1,881	0	119	0	803	367	119	119	63	291
INSTITUTE FOR CANCER RESEARCH	2,703	0	21	0	0	2,501	0	0	181	0
EAST NORTH CENTRAL, TOTAL	28,498	30	4,948	101	15,166	3,380	552	3,213	0	1,108
ILLINOIS, TOTAL	8,856	30	75	3	5,945	736	11	1,476	0	580
HEKTOEN INSTITUTE FOR MEDICAL RESEARCH	646	0	0	0	0	646	0	0	0	0
IIT RESEARCH INSTITUTE	7,627	30	75	0	5,945	90	11	1,476	0	0
NATIONAL OPINION RESEARCH CENTER	583	0	0	3	0	0	0	0	0	580

MIDDLE ATLANTIC, TOTAL	48,879	0	640	70	30,142	11,521	119	1,931	1,276	3,180
NEW JERSEY,TOTAL	544	0	0	0	0	544	0	0	0	0
INSTITUTE FOR MEDICAL RESEARCH	544	0	0	0	0	544	0	0	0	0
NEW YORK,TOTAL	39,831	0	500	70	27,121	7,023	0	1,570	775	2,772
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HUDSON INSTITUTE, INC	350	0	0	0	252	0	0	98	0	0
INSTITUTE FOR MEDICAL RESEARCH AND STUDIES	244	0	0	0	0	160	0	30	54	0
PUBLIC HEALTH RESEARCH INSTITUTE OF NEW YORK	1,465	0	0	0	53	1,137	0	0	275	0
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ILLINOIS,TOTAL	8,856	30	75	3	5,945	736	11	1,476	0	580
HEKTOEN INSTITUTE FOR MEDICAL RESEARCH	646	0	0	0	0	646	0	0	0	0
IIT RESEARCH INSTITUTE	7,627	30	75	0	5,945	90	11	1,476	0	0
NATIONAL OPINION RESEARCH CENTER	583	0	0	3	0	0	0	0	0	580
MICHIGAN,TOTAL	1,126	0	733	0	0	393	0	0	0	0
ATOMIC POWER DEVELOPMENT ASSOCIATES,INC	733	0	733	0	0	0	0	0	0	0
MICHIGAN CANCER FOUNDATION INC	393	0	0	0	0	393	0	0	0	0
OHIO,TOTAL	18,516	0	4,140	98	9,221	2,251	541	1,737	0	528
BATTELLE MEMORIAL INSTITUTE	17,876	0	4,140	98	9,209	1,658	541	1,702	0	528
FELS RESEARCH INSTITUTE	640	0	0	0	12	593	0	35	0	0
WEST NORTH CENTRAL, TOTAL	7,279	24	30	0	2,201	4,201	311	165	0	347
MINNESOTA,TOTAL	4,814	0	0	0	630	3,837	145	20	0	182
MAYO FOUNDATION	3,749	0	0	0	0	3,749	0	0	0	0
NORTH STAR RESEARCH AND DEVELOPMENT INSTITUTE	1,065	0	0	0	630	88	145	20	0	182
MISSOURI,TOTAL	2,465	24	30	0	1,571	364	166	145	0	165
MIDWEST RESEARCH INSTITUTE	2,465	24	30	0	1,571	364	166	145	0	165

TABLE 4 CONTINUED — FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO INDEPENDENT RESEARCH INSTITUTIONS BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY FISCAL YEAR 1970

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	DEPARTMENT OF AGRICULTURE	ATOMIC ENERGY COMMISSION	DEPARTMENT OF COMMERCE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH, EDUCATION, & WELFARE	DEPARTMENT OF THE INTERIOR	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	NATIONAL SCIENCE FOUNDATION	OTHER a/
SOUTH ATLANTIC, TOTAL	6,550	65	160	47	1,372	3,210	316	646	313	421
DISTRICT OF COL, TOTAL	2,253	0	15	0	516	1,032	23	125	313	229
ARCTIC INSTITUTE OF NORTH AMERICA	544	0	15	0	356	25	23	0	115	12
BROOKINGS INSTITUTE	158	0	0	0	0	30	0	0	128	0
BUREAU OF SOCIAL SCIENCE RESEARCH	465	0	0	0	0	248	0	0	0	217
CARNEGIE INSTITUTE OF WASHINGTON	261	0	0	0	25	41	0	125	70	0
GORGAS MEMORIAL INSTITUTE OF TROPICAL AND PREVENTIVE MEDICINE	467	0	0	0	115	352	0	0	0	0
INSTITUTE FOR BEHAVIORAL RESEARCH	358	0	0	0	20	338	0	0	0	0
MARYLAND, TOTAL	560	0	0	0	0	560	0	0	0	0
FRIENDS OF PSYCHIATRIC RESEARCH	560	0	0	0	0	560	0	0	0	0
NORTH CAROLINA, TOTAL	3,592	65	0	47	856	1,618	293	521	0	192
RESEARCH TRIANGLE INSTITUTE	3,592	65	0	47	856	1,618	293	521	0	192
VIRGINIA, TOTAL	145	0	145	0	0	0	0	0	0	0
HANFORD OCCUPATIONAL HEALTH FOUNDATION	145	0	145	0	0	0	0	0	0	0
EAST SOUTH CENTRAL, TOTAL	6,832	138	0	0	3,683	2,869	122	20	0	0
ALABAMA, TOTAL	6,832	138	0	0	3,683	2,869	122	20	0	0
SOUTHERN RESEARCH INSTITUTE	6,832	138	0	0	3,683	2,869	122	20	0	0
WEST SOUTH CENTRAL, TOTAL	9,082	6	342	3	3,817	3,063	150	403	59	1,239
OKLAHOMA, TOTAL	1,767	0	0	0	134	1,579	0	0	54	0
OKLAHOMA MEDICAL RESEARCH FOUNDATION	1,767	0	0	0	134	1,579	0	0	54	0
TEXAS, TOTAL	7,315	6	342	3	3,683	1,484	150	403	5	1,239
SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION	2,252	0	0	0	0	1,325	0	0	5	922
SOUTHWEST RESEARCH FOUNDATION	5,063	6	342	3	3,683	159	150	403	0	317
MOUNTAIN, TOTAL	3,019	0	1,711	0	564	106	0	638	0	0
ARIZONA, TOTAL	501	0	0	0	0	0	0	501	0	0
LOWELL OBSERVATORY	501	0	0	0	0	0	0	501	0	0

VIRGINIA, TOTAL	145	0	145	0	0	0	0	0	0	0
HANFORD OCCUPATIONAL HEALTH FOUNDATION	145	0	145	0	0	0	0	0	0	0
EAST SOUTH CENTRAL, TOTAL	6,832	138	0	0	3,683	2,869	122	20	0	0
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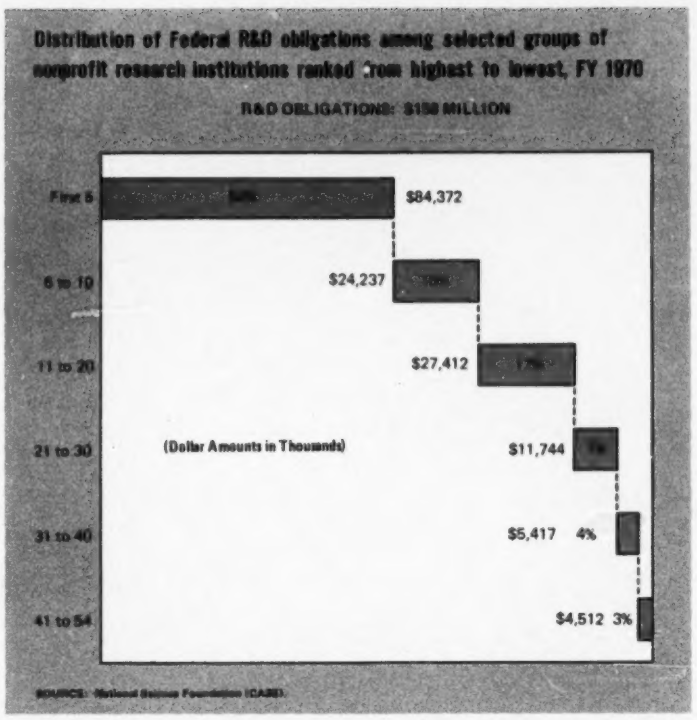
TEXAS, TOTAL	7,315	6	342	3	3,683	1,484	150	403	5	1,239
SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION	2,252	0	0	0	0	1,325	0	0	5	922
SOUTHWEST RESEARCH FOUNDATION	5,063	6	342	3	3,683	159	150	403	0	317
MOUNTAIN, TOTAL	3,019	0	1,711	0	564	106	0	638	0	0
ARIZONA, TOTAL	501	0	0	0	0	0	0	501	0	0
LOWELL OBSERVATORY	501	0	0	0	0	0	0	501	0	0
NEW MEXICO, TOTAL	2,518	0	1,711	0	564	106	0	137	0	0
LOVELACE FOUNDATION FOR MEDICAL EDUCATION	2,518	0	1,711	0	564	106	0	137	0	0
PACIFIC, TOTAL	40,433	0	501	99	24,907	9,468	35	2,251	620	2,552
CALIFORNIA, TOTAL	36,730	0	380	99	24,857	5,936	35	2,251	620	2,552
INSTITUTE OF MEDICAL SCIENCES	1,347	0	0	0	35	1,193	0	119	0	0
PALO ALTO MEDICAL RESEARCH FOUNDATION	442	0	0	0	25	417	0	0	0	0
SALK INSTITUTE FOR BIOLOGICAL STUDIES	3,435	0	0	0	0	940	0	60	180	2,255
SCRIPPS CLINIC AND RESEARCH FOUNDATION	319	0	135	0	26	0	0	0	158	0
STANFORD RESEARCH INSTITUTE	31,187	0	245	99	24,771	3,386	35	2,072	282	297
OREGON, TOTAL	3,368	0	0	0	50	3,318	0	0	0	0
MEDICAL RESEARCH FOUNDATION OF OREGON	2,673	0	0	0	0	2,673	0	0	0	0
OREGON RESEARCH INSTITUTE	695	0	0	0	50	645	0	0	0	0
WASHINGTON, TOTAL	335	0	121	0	0	214	0	0	0	0
PACIFIC NORTHWEST RESEARCH FOUNDATION	335	0	121	0	0	214	0	0	0	0

a/ Includes Agency for International Development, Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

SOURCE: National Science Foundation.



total of $367,000 (table 5). As this category of support includes obligations for the acquisition and repair of facilities and equipment for R&D activities, it is subject to fluctuations from year to year. The Lovelace Foundation for Medical Education was the leading recipient, with $273,-000.

TABLE 5

GEOGRAPHIC DI
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UNITED ST

EAST NORTH CE

MICHIGAN, TOT
ATOMIC POWE
ASSOCIATES

SOUTH ATLANTI

DISTRICT OF
CARNEGIE IN
WASHINGTON

VIRGINIA, TOT
HANFORD OCC
FOUNDATION

WEST SOUTH CE

TEXAS, TOTAL
SOUTHWEST R

MOUNTAIN, TOT

NEW MEXICO, T
LOVELACE FO
MEDICAL E

PACIFIC, TOTA

CALIFORNIA, T
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PACIFIC NOR
FOUNDATION

SOURCE: Nati

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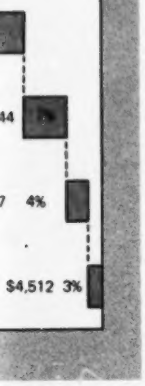

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acquisition
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from year
r Medical
with $273,-

TABLE 5 FEDERAL OBLIGATIONS FOR R&D PLANT TO INDEPENDENT RESEARCH INSTITUTIONS BY GEOGRAPHIC DIVISION, STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND INSTITUTION	TOTAL	ATOMIC ENERGY COMMIS-SION	NATIONAL SCIENCE FOUNDA-TION
UNITED STATES, TOTAL.....	$ 367	$ 316	$ 51
EAST NORTH CENTRAL, TOTAL.....	8	8	0
MICHIGAN, TOTAL.....	8	8	0
ATOMIC POWER DEVELOPMENT ASSOCIATES, INC.....	8	8	0
SOUTH ATLANTIC, TOTAL.....	52	21	31
DISTRICT OF COL, TOTAL.....	31	0	31
CARNEGIE INSTITUTE OF WASHINGTON.....	31	0	31
VIRGINIA, TOTAL.....	21	21	0
HANFORD OCCUPATIONAL HEALTH FOUNDATION.....	21	21	0
WEST SOUTH CENTRAL, TOTAL.....	12	12	0
TEXAS, TOTAL.....	12	12	0
SOUTHWEST RESEARCH FOUNDATION...	12	12	0
MOUNTAIN, TOTAL.....	273	273	0
NEW MEXICO, TOTAL.....	273	273	0
LOVELACE FOUNDATION FOR MEDICAL EDUCATION.....	273	273	0
PACIFIC, TOTAL.....	22	2	20
CALIFORNIA, TOTAL.....	20	0	20
STANFORD RESEARCH INSTITUTE.....	20	0	20
WASHINGTON, TOTAL.....	2	2	0
PACIFIC NORTHWEST RESEARCH FOUNDATION.....	2	2	0

SOURCE: National Science Foundation.

SECTION 2.

federally funded research and development centers

Twenty-seven Federally Funded Research and Development Centers managed by nonprofit institutions received $273 million from Federal agencies in 1970, rising from $247 million in 1969 and $234 million in 1968 (table 6). These organizations are exclusively or substantially financed by the Federal Government to conduct R&D activities or to manage R&D programs on behalf of the Government.

Although representing only one-third the number of independent nonprofit research organizations included in part II of this report, the 27 FFRDC's managed by nonprofit institutions accounted for 63 percent of Federal R&D obligations awarded to the 81 nonprofit institutions in 1970.

AGENCY DISTRIBUTION

In 1970 Federal obligations for R&D act
FFRDC's administered by nonprofit ins
totaled $256 million. The Department of
provided three-fifths of this amount, or
lion. The leading recipients of the eight
sharing in the DOD amount were the A
Corporation, $73 million; the MITRE Cor
$38 million; and the RAND Corporation,
lion.

The Atomic Energy Commission oblig
million to two FFRDC's for research and
ment in 1970: Pacific Northwest Labora
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$4 million.

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AGENCY DISTRIBUTION

In 1970 Federal obligations for R&D activities to FFRDC's administered by nonprofit institutions totaled $256 million. The Department of Defense provided three-fifths of this amount, or $162 million. The leading recipients of the eight FFRDC's sharing in the DOD amount were the Aerospace Corporation, $73 million; the MITRE Corporation, $38 million; and the RAND Corporation, $20 million.

The Atomic Energy Commission obligated $60 million to two FFRDC's for research and development in 1970: Pacific Northwest Laboratory, $56 million, and Atomic Bomb Casualty Commission, $4 million.

The Department of Health, Education, and Welfare awarded $39 million to these FFRDC's; this was an increase of $13 million from the 1969 HEW total.

Federal funds for R&D plant were $17 million in 1970, rising from $11 million in 1969 and $5 million in 1968.[3] The major obligations were received by the Pacific Northwest Laboratory, $5 million from AEC; Southwest Regional Educational Laboratory and Southwest Educational Development Laboratory, each with $4 million from HEW; and, Central Midwestern Regional Educational Laboratory with $3 million from HEW.

[3] The data on R&D plant are understated to the extent that DOD does not report separately the sums used for R&D plant within R&D contracts.

Table 6.—Federal obligations for research and development and R&D plant to and Development Centers, administered by nonprofit institutions, fiscal yea

[Dollars in thousands]

Location and name	Total Federal obligations			Research and developm		
	1968	1969	1970	1968	1969	
Total	$234,093	$246,728	$273,269	$229,308	$235,885	$
Arkansas:						
South Central Regional Educational Laboratory, Corporation[a]	711	320	———	700	320	
California:						
Aerospace Corporation	73,626	76,338	72,953	73,537	76,338	
RAND Corporation	20,407	20,438	21,167	20,295	20,438	
Center for Educational Policy Research[b]	500	500	448	500	500	
The Far West Laboratory for Educational Research and Development	1,308	6,536	2,373	1,250	1,685	
Southwest Regional Educational Laboratory	2,235	2,487	7,310	2,235	2,487	
Colorado:						
Rocky Mountain Regional Educational Laboratory[a]	514	346	———	514	346	
District of Columbia:						
Atomic Bomb Casualty Commission	3,822	3,925	4,250	3,685	3,788	
Central Atlantic Regional Educational Laboratory[a]	796	390	———	730	390	
Georgia:						
Southeastern Educational Laboratory	719	670	720	670	670	
Illinois:						
Cooperative Educational Research Laboratory, Inc.[a]	622	241	———	600	241	
Maryland:						
Electromagnetic Compatability Analysis Center[c]	5,237	4,642	5,210	5,237	4,642	
Massachusetts:						
MITRE Corporation	36,521	32,702	40,856	36,521	32,702	
Educational Development Center, Inc.	1,041	1,390	1,509	1,041	1,390	
Michigan:						
Michigan-Ohio Regional Educational Laboratory[a]	853	385	———	800	385	
Minnesota:						
Upper Midwest Regional Educational Laboratory, Inc.	678	800	958	678	800	
Missouri:						
Central Midwestern Regional Educational Laboratory	1,370	1,746	6,138	1,350	1,746	
Mid-Continent Regional Educational Laboratory	730	938	957	730	938	

l obligations for research and development and R&D plant to Federally Funded Research
ent Centers, administered by nonprofit institutions, fiscal years 1968, 1969, and 1970

[Dollars in thousands]

Total Federal obligations			Research and development			R&D plant			Sponsoring agency
1968	1969	1970	1968	1969	1970	1968	1969	1970	
$234,093	$246,728	$273,269	$229,308	$235,885	$256,491	$4,785	$10,843	$16,778	
711	320	———	700	320	———	11	———	———	HEW (OE)
73,626	76,338	72,953	73,537	76,338	72,953	89	———	———	DOD (Air Force)
20,407	20,438	21,167	20,295	20,438	21,167	112	———	———	DOD (Air Force)
500	500	448	500	500	448	———	———	———	HEW (OE)
1,308	6,536	2,373	1,250	1,685	2,373	58	4,851	———	HEW (OE)
2,235	2,487	7,310	2,235	2,487	3,024	———	———	4,286	HEW (OE)
514	346	———	514	346	———	———	———	———	HEW (OE)
3,822	3,925	4,250	3,685	3,788	4,155	137	137	95	AEC
796	390	———	780	390	———	16	———	———	HEW (OE)
719	670	720	670	670	720	49	———	———	HEW (OE)
622	241	———	600	241	———	22	———	———	HEW (OE)
5,237	4,642	5,210	5,237	4,642	5,210	———	———	———	DOD (Air Force)
36,521	32,702	40,856	36,521	32,702	40,856	———	———	———	DOD (Air Force)
1,041	1,390	1,509	1,041	1,390	1,509	———	———	———	HEW (OE)
853	385	———	800	385	———	53	———	———	HEW (OE)
678	800	958	678	800	958	———	———	———	HEW (OE)
1,370	1,746	6,138	1,350	1,746	3,233	20	———	2,905	HEW (OE)
730	938	957	730	938	957	———	———	———	HEW (OE)

Table 6. Federal obligations for research and development and R&D plant t
Centers, administered by nonprofit institutions, fiscal years 19

Location and name	Total Federal obligations			Rese
	1968	1969	1970	1968
New Mexico:				
Southwestern Cooperative Educational Laboratory	791	862	956	752
New York:				
Center for Urban Education	2,675	2,646	2,600	2,675
Eastern Regional Institute for Education	947	999	844	943
Policy Research Center[d]	499	587	689	499
North Carolina:				
Regional Educational Laboratory for the Carolinas and Virginia	698	820	1,152	694
Oregon:				
Northwest Regional Educational Laboratory	1,566	1,763	1,841	1,544
Pennsylvania:				
Research for Better Schools, Inc.	2,094	2,757	3,397	2,089
Texas:				
Southwest Educational Development Laboratory	1,452	1,843	6,363	1,400
Virginia:				
Institute for Defense Analysis	11,941	12,388	11,859	11,941
Human Resources Research Organization[e]	———	———	4,291	———
Research Analysis Corporation	10,308	9,915	9,524	10,308
Analytical Services, Inc.	1,495	1,180	1,659	1,495
Washington:				
Pacific Northwest Laboratory	46,943	55,258	62,119	42,851
West Virginia:				
Appalachia Educational Laboratory	994	916	1,126	994

[a]Discontinued in FY 1970.
[b]Administered by Stanford Research Institute.
[c]Administered by Illinois Institute of Technology Research Institute.
[d]Administered by Syracuse University Research Corporation.
[e]Was "univer

SOURCE: N

leral obligations for research and development and R&D plant to Federally Funded Research and Development Centers, administered by nonprofit institutions, fiscal years 1968, 1969, and 1970 (Continued)

	Total Federal obligations			Research and development			R&D plant			Sponsoring agency
	1968	1969	1970	1968	1969	1970	1968	1969	1970	
ratory	791	862	956	752	862	956	39	———	———	HEW (OE)
.....	2,675	2,646	2,600	2,675	2,646	2,600	———	———	———	HEW (OE)
.....	947	999	844	943	999	844	4	———	———	HEW (OE)
.....	499	587	689	499	587	689	———	———	———	HEW (OE)
Carolinas and	698	820	1,152	694	820	1,152	4	———	———	HEW (OE)
.....	1,566	1,763	1,841	1,544	1,763	1,841	22	———	———	HEW (OE)
.....	2,094	2,757	3,397	2,089	2,700	3,397	5	57	———	HEW (OE)
atory	1,452	1,843	6,363	1,400	1,710	2,263	52	133	4,100	HEW (OE)
.....	11,941	12,388	11,859	11,941	12,388	11,859	———	———	———	DOD (Office of the Secretary)
.....	———	———	4,291	———	———	4,291	———	———	———	DOD (Army)
.....	10,308	9,915	9,524	10,308	9,915	9,524	———	———	———	DOD (Army)
.....	1,495	1,180	1,659	1,495	1,180	1,659	———	———	———	DOD (Air Force)
.....	46,943	55,258	62,119	42,851	49,613	56,727	4,092	5,645	5,392	AEC
.....	994	916	1,126	994	896	1,126	———	20	———	HEW (OE)

[e]Was "university administered" prior to fiscal year 1970. See part I, section 5 for data for those years.

SOURCE: National Science Foundation (CASE).

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APPENDIXES

A. Technical Notes

B. Federal Obligations to 2-Year Institutions

C. Statistical Tables

APPENDIX A

TECHNICAL NOTES

CONCEPTS AND LIMITATIONS

The dollar totals in this report represent obligations to academic institutions, selected other nonprofit organizations, and associated Federally Funded Research and Development Centers, incurred by 13 Federal agencies. Data on academic institutions and their associated FFRDC's are extracted from the CASE data collection system established by the Committee on Academic Science and Engineering of the Federal Council for Science and Technology. Data on other nonprofit organizations were collected separately. To facilitate this effort the agencies participating in the CASE study were requested to provide data on research and development and R&D plant obligations allocated to selected other nonprofit institutions.

Data for five of the reporting agencies, the Office of Economic Opportunity, the Agency for International Development, and the Departments of Housing and Urban Development, Labor, and Transportation, are combined for the purpose of tabular presentation. These units, constituting the "other" category used as the final column heading in tables showing agency detail, were added to the data collection system in 1968 and 1969.

Dollar totals reflect actual obligations by the reporting agency during a fiscal year (July 1-June 30) regardless of when funds were spent by a recipient.[1] Certain allocations for financial assistance by Federal agencies were excluded from the study, notably loans such as those
Office of Education for undergradua
ate construction, and agency supp
employee training and developm
Obligations were reported in amou
the nearest thousand dollars.

Data for individual institutions re
support from Federal agencies and
not make allowances for amounts
to or from other institutions. Con
location of actual performance
amounts cannot be identified if tha
takes place at some site other th
institution receiving direct suppor
agencies. In cases of interagency
funds, the agency that made the fi
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obligations.

Federal obligations to university
shown in terms of the individual in
prising a system. Also listed sepa
eral dollars awarded directly to the
center of a system. However, where
cation of funds is not known at the
is made, agencies report the funds
to the system's administrative offi
system."[2] In many cases, the Fed
distributed by the system's centra
dividual institutions. To the exten
effect takes place, the amounts re
individual institutions within a sy
understated. Central system obli
1970 were reported for the follo

[1] Data for the Atomic Energy Commission were provided in terms of costs rather than obligations but are treated as substantially the same thing in this analysis.

[2] Data on Federal obligations to "cent
included in appendix tables C-13, C-14, a

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study, notably loans such as those made by the Office of Education for undergraduate and graduate construction, and agency support of Federal employee training and development activities. Obligations were reported in amounts rounded to the nearest thousand dollars.

Data for individual institutions represent direct support from Federal agencies and, therefore, do not make allowances for amounts subcontracted to or from other institutions. Consequently, the location of actual performance of obligated amounts cannot be identified if that performance takes place at some site other than that of the institution receiving direct support from Federal agencies. In cases of interagency transfers of funds, the agency that made the final distribution of the funds to academic institutions reported the obligations.

Federal obligations to university "systems" are shown in terms of the individual institutions comprising a system. Also listed separately are Federal dollars awarded directly to the administrative center of a system. However, where the final allocation of funds is not known at the time the award is made, agencies report the funds as obligations to the system's administrative office, or "central system."[2] In many cases, the Federal funds are distributed by the system's central office to individual institutions. To the extent this filtering effect takes place, the amounts reported for the individual institutions within a system may be understated. Central system obligations in FY 1970 were reported for the following:

Los Angeles City Junior College District System
Peralta Junior College District System
San Diego Junior Colleges System
University of California System
University of Illinois System
Louisiana State University System
Mississippi Gulf Coast Junior College District System
University of Missouri System
University of Nebraska System
University of Nevada System
City University of New York System
Columbia University System
State University of New York System
Union College and University System
University of North Carolina System
University of Tennessee System
Texas A&M University System
University of Texas System
University of Wisconsin System
Wisconsin State University System
University of Puerto Rico System

Among the categories of support reported by Federal agencies, amounts shown for individual institutions may not always indicate the way the funds are actually spent by these organizations. For instance, the entire obligations by the Department of Defense were reported under research and development, although some of the funds were actually expended for plant and facilities.

Some of the obligations by Federal agencies under institutional grant programs for general or special purposes were included under the category "other activities," although actual expenditure of these funds is spread among research and development, R&D plant, and other activities. Again, it is extremely difficult to categorize the purposes for which such funds are expended because of the close functional relationship between research and education.

[2] Data on Federal obligations to "central systems" are included in appendix tables C-13, C-14, and C-15.

Sections 2, 3, and 4 in part I of this report include comparisons between obligation data and educational data on total degrees conferred over the academic year 1967-68. These figures were compiled from degree data collected by the Office of Education in the Higher Education General Information Survey (HEGIS).

RELATIONSHIP OF THIS STUDY TO FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND OTHER SCIENTIFIC ACTIVITIES

Both this study and *Federal Funds for Research, Development, and Other Scientific Activities,*[3] obtain data on obligations by Federal agencies for research and development and R&D plant to universities, colleges, other nonprofit institutions, and their associated Federally Funded Research and Development Centers. This study is oriented toward obtaining information on total Federal support for individual institutions and selected nonprofit research organizations, while the *Federal Funds* study obtains data on research and development and R&D plant obligated by Federal agencies to each sector of the economy, including Government, industry, universities and colleges, and all other nonprofit organizations. In *Federal Funds*, the emphasis is on character of activity and field of science, rather than individual recipients.

In general, there is conformity of concepts and definitions used in the two studies. It should be noted, however, that data do not and cannot conform in all respects. Information used in *Federal Funds* is based on the agencies' budgets which, of course, cannot show details on the recipient of funds.

For the purpose of this report, "selected nonprofit organizations" include primarily independent nonprofit research institutions. Omitted from this group are hospitals, academies of science, museums, professional and technical societies and, with one exception, all private philanthropic foundations all of which are included in the *Federal Funds* classification of nonprofit organizations. The exception is a private foundation which is known to allocate more than 50 percent of its expenditures for the performance of intramural research. Also, since this study covers 13 Federal departments and agencies and *Federal Funds* obtains reports on a Government-wide basis, there is a difference representing the amounts obligated to institutions by agencies not in the CASE study.

Among other differences is the fact that the National Institutes of Health reported its General Research Support Grants Program as research and development in *Federal Funds*, and "other scientific activities" in the CASE study. Similar reporting differences occurred in the case of the National Aeronautics and Space Administration's Sustaining University Program. The National Science Foundation provided estimates to *Federal Funds* of amounts expended by universities for research and development and R&D plant from institution-based grants. For individual institutions of higher education, the allocation of funds from this program differs widely among various categories of support and, consequently, all of the Foundation's obligations for Institutional Grant Programs were reported as "other scientific activities" in the CASE study.

In cases of interagency transfers of funds, the present study instructs the agency that actually obligates funds to an academic institution to report the obligation. In *Federal Funds*, on the other hand, agencies initiating the interagency transfers report the obligated amounts.

DEFINITIONS OF TERMS

University or college consists of all parts of the academic institution—such as a college of liberal arts, professional school, hospital, school of agriculture, agricultural experiment station, etc.—

[3] National Science Foundation, *Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1969, 1970, and 1971,* Vol. XIX (NSF 70-38) (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1970).

from this group are hospitals, academies of science, museums, professional and technical societies and, with one exception, all private philanthropic foundations all of which are included in the *Federal Funds* classification of nonprofit organizations. The exception is a private foundation which is known to allocate more than 50 percent of its expenditures for the performance of intramural research. Also, since this study covers 13 Federal departments and agencies and *Federal Funds* obtains reports on a Government-wide basis, there is a difference representing the amounts obligated to institutions by agencies not in the CASE study.

Among other differences is the fact that the National Institutes of Health reported its General Research Support Grants Program as research and development in *Federal Funds*, and "other scientific activities" in the CASE study. Similar reporting differences occurred in the case of the National Aeronautics and Space Administration's Sustaining University Program. The National Science Foundation provided estimates to *Federal Funds* of amounts expended by universities for research and development and R&D plant from institution-based grants. For individual institutions of higher education, the allocation of funds from this program differs widely among various categories of support and, consequently, all of the Foundation's obligations for Institutional Grant Programs were reported as "other scientific activities" in the CASE study.

In cases of interagency transfers of funds, the present study instructs the agency that actually obligates funds to an academic institution to report the obligation. In *Federal Funds*, on the other hand, agencies initiating the interagency transfers report the obligated amounts.

DEFINITIONS OF TERMS

University or college consists of all parts of the academic institution—such as a college of liberal arts, professional school, hospital, school of agriculture, agricultural experiment station, etc.—except an associated Federally Funded Research and Development Center. Universities and colleges include all institutions of higher education in the United States that offer at least 2 years of college-level studies in residence. The universe of institutions for this report is based upon the Office of Education's *Education Directory* 1969-70. To be included in this report, an institution must have received some Federal support in fiscal year 1970 and must possess a significant degree of autonomy with respect to educational administrative responsibilities. Thus, universities and colleges organized under systems, e.g., groups of institutions collectively having legal status and generally accorded recognition by a State, by a board of education, or other relevant organization, are shown as separate institutions in cases where significant autonomy exists. Obligations to branches and campuses of institutions are not shown separately but are included in the total for the parent institutions. Obligations to service schools were excluded from the study. Also excluded were funds awarded to the U.S. Department of Agriculture Graduate School.

Nonprofit research institutions included in this report are limited to 54 selected independent research performing organizations and 27 Federally Funded Research and Development Centers managed by nonprofit institutions. The 54 independent institutions are primarily composed of research institutes and do not include such nonprofit organizations as nonprofit hospitals, academies of science, professional and technical societies, museums, or philanthropic foundations.

Federally Funded Research and Development Centers in this report are organizational units managed by universities and colleges or other nonprofit institutions. Generally, these units have been established to meet a particular R&D need of a Federal agency. The Committee on Academic Science and Engineering has developed uniform identification and classification criteria for use by all sponsoring agencies. To be classified as an FFRDC, an organization should:

(a) Perform primarily one or more of the following: basic research, applied research, development, or management of research and development. Specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production mapping and surveys, and information dissemination;
(b) constitute a separate operational unit within the parent organization or be organized as a separately incorporated organization;
(c) perform actual research and development or R&D management either upon direct request of the Government, or under a broad charter from the Government, but in either case under the direct monitorship of the Government;
(d) receive its major financial support—70 percent or more—from the Federal Government, usually from one agency;
(e) have or be expected to have, a long-term relationship—about 5 years or more—with its sponsoring agency, as evidenced by the specific obligations it and the agency assume;
(f) be established in the contract so that most or all of the facilities are owned or funded by the Government; and,
(g) have an average annual budget, including operating and capital equipment, of at least $500,000.

Included in this report are 36 FFRDC's administered by universities and colleges and 27 FFRDC's administered by other nonprofit institutions. Of the 36 FFRDC's associated with universities and colleges in 1970, 28 are administered by specified universities; 7 are managed solely by university consortia; and 1, Argonne National Laboratory, is managed jointly by the University of Chicago and Argonne Universities Association. The institutions comprising the membership of the managing consortia are as follows:

Associated Universities, Inc.
Columbia University
Cornell University
Harvard University
Johns Hopkins University
Massachusetts Institute of Technology
University of Pennsylvania
Princeton University
University of Rochester
Yale University

Association of Universities for Research in Astro
University of California
University of Chicago
Harvard University
Indiana University
University of Michigan
Ohio State University
Princeton University
University of Texas
University of Wisconsin
Yale University

University Corporation for Atmospheric Research
University of Alaska
University of Arizona
University of California
Catholic University of America
University of Chicago
Colorado State University
University of Colorado
Cornell University
University of Denver
Florida State University
University of Hawaii
Johns Hopkins University
University of Maryland
Massachusetts Institute of Technology
University of Miami
University of Michigan
University of Minnesota
University of Missouri
New York University
University of Oklahoma
Pennsylvania State University
St. Louis University
Texas A&M University
University of Texas
University of Utah
University of Washington
University of Wisconsin

Oak Ridge Associated Universities
University of Alabama
University of Arkansas
Auburn University

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Cornell University
Harvard University
Johns Hopkins University
Massachusetts Institute of Technology
University of Pennsylvania
Princeton University
University of Rochester
Yale University

Association of Universities for Research in Astronomy, Inc.
University of California
University of Chicago
Harvard University
Indiana University
University of Michigan
Ohio State University
Princeton University
University of Texas
University of Wisconsin
Yale University

University Corporation for Atmospheric Research
University of Alaska
University of Arizona
University of California
Catholic University of America
University of Chicago
Colorado State University
University of Colorado
Cornell University
University of Denver
Florida State University
University of Hawaii
Johns Hopkins University
University of Maryland
Massachusetts Institute of Technology
University of Miami
University of Michigan
University of Minnesota
University of Missouri
New York University
University of Oklahoma
Pennsylvania State University
St. Louis University
Texas A&M University
University of Texas
University of Utah
University of Washington
University of Wisconsin

Oak Ridge Associated Universities
University of Alabama
University of Arkansas
Auburn University

Catholic University of America
Clemson University
Duke University
Emory University
Fisk University
University of Florida
Florida State University
University of Georgia
Georgia Institute of Technology
University of Kentucky
Louisiana State University
University of Louisville
University of Maryland
Meharry Medical College
University of Miami
University of Mississippi
Mississippi State University
University of North Carolina
North Carolina State University
North Texas State University
University of Oklahoma
University of Puerto Rico
Rice University
University of South Carolina
Southern Methodist University
University of Tennessee
University of Texas
Texas A&M University
Texas Christian University
Texas Women's University
Tulane University
Tuskegee Institute
Vanderbilt University
University of Virginia
Virginia Polytechnic Institute
West Virginia University
College of William and Mary

Universities Research Association
University of Arizona
Brown University
California Institute of Technology
University of California—Berkeley
University of California—Los Angeles
University of California—San Diego
Carnegie Mellon University
Case Western Reserve University
University of Chicago
University of Colorado
Columbia University
Cornell University
Duke University
Florida State University

Harvard University
University of Illinois
Indiana University
Iowa State University
University of Iowa
Johns Hopkins University
University of Maryland
Massachusetts Institute of Technology
Michigan State University
University of Michigan
University of Minnesota
University of North Carolina—Chapel Hill
Northwestern University
University of Notre Dame
Ohio State University
University of Pennsylvania
Princeton University
Purdue University
Rice University
University of Rochester
Rockefeller University
Rutgers, the State University
Stanford University
State University of New York—Buffalo
State University of New York—Stony Brook
Stevens Institute of Technology
Syracuse University
University of Texas
University of Toronto
Tulane University
Vanderbilt University
University of Virginia
Washington University (St. Louis)
University of Washington
University of Wisconsin
Virginia Polytechnic Institute
Yale University

Argonne Universities Association
Carnegie Mellon University
Case Western Reserve University
Illinois Institute of Technology
Indiana University
Iowa State University
Kansas State University
Loyola University
Marquette University
Michigan State University
Northwestern University
Ohio State University
Pennsylvania State University
Purdue University
Southern Illinois University
St. Louis University
University of Arizona
University of Chicago
University of Cincinnati
University of Illinois
University of Iowa
University of Kansas
University of Michigan
University of Minnesota
University of Missouri
University of Notre Dame
University of Texas-Austin
University of Wisconsin
Washington University (St. Louis)
Wayne State University

Academic science includes the sum of ac
ties classified under three categories: resea
and development, R&D plant, other science
tivities. Each of these categories is defined be

Research is defined as scientific inquiry. It
cludes basic studies—those oriented tow
deeper or more meaningful understanding
knowledge *per se* in a particular subject or fi
and applied studies—those aimed at new or n

Case Western Reserve University
Illinois Institute of Technology
Indiana University
Iowa State University
Kansas State University
Loyola University
Marquette University
Michigan State University
Northwestern University
Ohio State University
Pennsylvania State University
Purdue University
Southern Illinois University
St. Louis University
University of Arizona
University of Chicago
University of Cincinnati
University of Illinois
University of Iowa
University of Kansas
University of Michigan
University of Minnesota
University of Missouri
University of Notre Dame
University of Texas-Austin
University of Wisconsin
Washington University (St. Louis)
Wayne State University

Academic science includes the sum of activities classified under three categories: research and development, R&D plant, other science activities. Each of these categories is defined below.

Research is defined as scientific inquiry. It includes basic studies—those oriented toward deeper or more meaningful understanding and knowledge *per se* in a particular subject or field; and applied studies—those aimed at new or more complete knowledge in the light of potential practical application.

Development is the systematic use of scientific knowledge directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

R&D plant includes all direct, indirect, incidental, or related costs resulting from or necessary to the construction of, acquisition of, major repairs to, or alterations in structures, works, fixed equipment, facilities, or land for use in scientific research and development. Fixed equipment includes accelerators, reactors, wind tunnels, radio telescopes, etc.

Other academic-science activities represent obligations for all other activities that are science-related but not included elsewhere. Included are obligations to a university or college that represent direct funding (excluding loans) of science-related activities for purposes such as scholarships, fellowships, traineeships, institutes, course-content improvement projects, and other science education pursuits; facilities and equipment to be used primarily for education activities; collection, storage, handling, and dissemination of scientific and technical information; and institutional grants for general or specific purposes.

Nonscience activities include all support of fields of endeavor at universities and colleges other than those specified as academic science.

APPENDIX B

FEDERAL OBLIGATIONS TO 2-YEAR INSTITUTIONS

The 2-year institutions in this section are those designated in the *Education Directory 1970-71: Part 3, Higher Education,* published by the Office of Education, as offering ". . . 2 but less than 4 years . . ." as the highest level of degree program. They are included in the data for total Federal obligations in other parts of this report, and they appear in Appendix table C-13 with the total amounts received, by agency, in 1970.

Federal obligations to 2-year institutions decreased to $105 million from $131 million in 1969 and $121 million in 1968 (table B-1). The number of recipients, however, increased to 814, which was over nine-tenths of the total number of 2-year institutions listed in the *Education Directory*.[1]

[1] *The Directory* lists only one independent, 2-year institution in Maine.

Institutions in all but one State, I
support.[2]

Academic science obligations
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in academic science, obligations
types of support were as follows:

Type of academic science support	Fiscal years (Thousands of dollars)
	1968
Total	$22,113
Research and development	2,323
R&D plant	44
Other science	19,746

[2] In addition, six central systems rec
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Institutions in all but one State, Maine, received support.[2]

Academic science obligations fell by 60 percent to $9 million from $24 million in 1969. Within academic science, obligations for the three types of support were as follows:

Type of academic science support	Fiscal years (Thousands of dollars)		
	1968	1969	1970
Total	$22,113	$23,602	$9,324
Research and development	2,323	2,523	2,315
R&D plant	44	41	....
Other science	19,746	21,038	7,009

[2] In addition, six central systems received $2,247,000 in 1970.

Support for nonscience activities decreased by 11 percent, totaling $95 million. It accounted for 91 percent of the obligations to these institutions.

The 2-year colleges in each of the South Atlantic and Pacific divisions received nearly $18 million. For the South Atlantic States this represented a 28-percent decrease in obligations but an 11-percent increase in the number of recipient junior colleges (157); 2-year institutions in the Pacific States—132—increased by 7 percent in number but decreased by 14 percent in Federal support. The largest decline was registered by the Middle Atlantic division—$10 million; the 1970 total of $14 million for this division represented only 58 percent of its 1969 level.

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Table B-1.—Geographic distribution of Federal obligations to 2-year institutions, by type of program, fiscal years 1968, 1969, and 1970

[Dollars in thousands]

Division and State	Number of institutions receiving support			Total Federal obligations			Academic science obligations			Nonscience activities		
	1968	1969	1970	1968	1969	1970	1968	1969	1970	1968	1979	1970
United States, total	719	752	814	$121,143	$130,925	$105,282	$22,113	$23,602	$9,324	$99,030	$107,323	$96,958
New England	**53**	**61**	**62**	**5,851**	**6,221**	**5,077**	**1,326**	**1,621**	**1,268**	**4,525**	**4,600**	**3,809**
Maine	—	—	—	——	——	——	——	——	——	——	——	——
New Hampshire	2	4	4	340	253	121	38	16	11	302	237	110
Vermont	3	3	3	329	330	298	43	40	64	286	290	234
Massachusetts	32	35	37	3,375	4,131	3,489	898	1,308	1,113	2,477	2,823	2,376
Rhode Island	3	3	2	890	803	289	143	137	27	747	666	262
Connecticut	13	16	16	917	704	880	204	120	53	713	584	827
Middle Atlantic	**89**	**96**	**96**	**19,510**	**23,596**	**13,581**	**3,430**	**3,637**	**1,091**	**16,080**	**19,959**	**12,490**
New York	52	56	57	11,060	11,123	7,307	2,019	1,783	608	9,041	9,340	6,669
New Jersey	14	17	18	2,587	5,135	3,327	418	618	216	2,169	4,517	3,111
Pennsylvania	23	23	21	5,863	7,338	2,947	993	1,236	267	4,870	6,102	2,680
East North Central	**92**	**93**	**102**	**19,119**	**19,665**	**17,259**	**3,473**	**3,907**	**1,404**	**15,646**	**15,758**	**15,855**
Ohio	6	5	7	525	656	2,940	118	172	349	407	484	2,591
Indiana	2	2	2	1,049	1,993	551	158	224	26	891	1,769	525
Illinois	36	38	42	7,223	7,938	7,294	1,358	1,523	455	5,865	6,415	6,839
Michigan	32	34	34	9,505	6,397	4,800	1,535	1,123	281	7,970	5,274	4,519
Wisconsin	16	14	17	817	2,681	1,674	304	865	293	513	1,816	1,381
West North Central	**85**	**87**	**92**	**9,929**	**11,319**	**8,231**	**1,601**	**1,829**	**641**	**8,328**	**9,490**	**7,590**
Minnesota	20	20	21	2,216	2,181	2,002	320	375	173	1,896	1,806	1,829
Iowa	17	15	16	2,319	2,756	1,801	470	407	128	1,849	2,349	1,673
Missouri	16	17	18	2,797	3,172	2,206	443	579	162	2,354	2,593	2,044
North Dakota	5	5	4	926	532	264	125	59	7	801	473	257
South Dakota	1	1	2	13	12	25	2	2	——	11	10	25
Nebraska	5	7	7	392	387	536	54	138	53	338	749	483
Kansas	21	22	24	1,266	1,779	1,397	187	269	118	1,079	1,510	1,279
South Atlantic	**131**	**141**	**157**	**21,482**	**24,940**	**17,843**	**4,116**	**4,521**	**1,455**	**17,366**	**20,419**	**16,388**
Delaware	3	3	4	1,138	345	296	520	83	35	618	262	261
Maryland	14	15	15	3,799	2,447	1,918	836	449	236	2,963	1,998	1,682
District of Columbia	3	3	3	193	770	336	113	467	14	80	303	322
Virginia	14	17	20	2,943	1,311	2,643	328	243	144	2,615	1,068	2,499
West Virginia	3	3	3	442	170	124	114	35	——	328	135	124
North Carolina	36	40	48	4,491	5,449	3,603	775	908	492	3,716	4,541	3,111
South Carolina	14	14	17	1,373	2,989	1,012	229	497	74	1,144	2,492	938
Georgia	16	18	17	1,734	5,447	2,578	183	626	210	1,551	4,821	2,368
Florida	28	28	30	5,369	6,012	5,333	1,018	1,213	250	4,351	4,799	5,083
East South Central	**56**	**58**	**63**	**12,037**	**9,604**	**10,154**	**1,889**	**1,401**	**633**	**10,148**	**8,203**	**9,521**
Kentucky	6	7	7	899	1,514	1,272	71	229	33	828	1,285	1,239
Tennessee	11	12	15	2,042	1,714	1,892	274	211	172	1,768	1,503	1,720
Alabama	17	17	19	3,850	2,115	2,431	619	441	180	3,231	1,674	2,251
Mississippi	22	22	22	5,246	4,261	4,559	925	520	248	4,321	3,741	4,311

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Indiana	2	2	2	1,049	1,993	551	158	224	26	891	1,769	525
Illinois	36	38	42	7,223	7,938	7,294	1,358	1,523	455	5,865	6,415	6,839
Michigan	32	34	34	9,505	6,397	4,800	1,535	1,123	281	7,970	5,274	4,519
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North Dakota	5	5	4	926	532	264	125	59	7	801	473	257
South Dakota	1	1	2	13	12	25	2	2	——	11	10	25
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Florida	28	28	30	5,369	6,012	5,333	1,018	1,213	250	4,351	4,799	5,083
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Kentucky	6	7	7	899	1,514	1,272	71	229	33	828	1,285	1,239
Tennessee	11	12	15	2,042	1,714	1,892	274	211	172	1,768	1,503	1,720
Alabama	17	17	19	3,850	2,115	2,431	619	441	180	3,231	1,674	2,251
Mississippi	22	22	22	5,246	4,261	4,559	925	520	248	4,321	3,741	4,311
West South Central	**61**	**62**	**69**	**10,351**	**9,585**	**9,754**	**1,743**	**1,833**	**889**	**8,608**	**7,752**	**8,865**
Arkansas	4	4	5	228	297	854	47	51	69	181	246	785
Louisiana	1	1	2	1,504	302	814	362	176	325	1,142	126	489
Oklahoma	12	13	13	1,941	1,312	2,145	145	144	111	1,796	1,168	2,034
Texas	44	44	49	6,678	7,674	5,941	1,189	1,462	384	5,489	6,212	5,557
Mountain	**27**	**29**	**40**	**3,445**	**4,848**	**5,682**	**474**	**642**	**978**	**2,971**	**4,206**	**4,714**
Montana	3	3	3	84	167	136	20	35	——	64	132	136
Idaho	3	3	2	461	565	376	80	100	36	381	465	340
Wyoming	5	5	6	543	572	263	68	83	6	475	489	257
Colorado	7	8	11	930	1,659	1,716	134	249	81	796	1,410	1,635
New Mexico	1	2	1	41	106	6	6	3	——	35	103	6
Arizona	7	7	10	1,240	1,641	2,504	151	159	809	1,089	1,482	1,695
Utah	1	1	6	146	138	677	15	13	46	131	125	631
Nevada	—	—	1	——	——	14	——	——	——	——	——	14
Pacific	**123**	**123**	**132**	**18,115**	**20,368**	**17,570**	**3,793**	**4,001**	**965**	**14,322**	**16,365**	**16,605**
Washington	22	22	22	3,118	3,614	2,931	547	760	287	2,571	2,854	2,644
Oregon	14	14	14	2,257	2,233	1,914	334	306	87	1,923	1,927	1,827
California	85	84	94	12,659	14,435	12,704	2,909	2,929	591	9,750	11,506	12,113
Alaska	1	1	1	38	16	10	3	2	——	35	14	10
Hawaii	1	2	1	43	68	11	——	4	——	43	64	11
Outlying areas[a]	2	2	1	1,304	781	121	268	210	——	1,036	571	121

[a]Includes Puerto Rico, Virgin Islands and Guam. The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

APPENDIX C

STATISTICAL TABLES

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NOTES

- Source of data is the National Science Foundation (CASE).
- One asterisk (*) indicates an administrative center for the university systems. The Central Systems listed in the tables represent funds going to part of a university system, such as a graduate center, that encompasses the teaching and research activities of a number of institutions that form the system. In addition, in some cases, the funds shown for the Central System may be distributed eventually to institutions that are part of the system.
- Two asterisks (**) indicate a 2-year institution, as designated by the Office of Education.
- The symbol "†" indicates the main university only.

Table C-1.—Federal obligations to universities and colleges, by type of program and agency, fiscal years 1963-70

[Dollars in millions]

Program and year	Total, all agencies	Agri-culture	AEC	Com-merce	DOD	HEW	Interior	NASA	NSF	Other[a]
Total Federal obligations:										
1963	$1,413.0	$104.0	$ 76.1	$1.8	$218.0	$ 665.3	$ 4.0	$ 87.4	$256.3	——
1964	1,625.0	115.0	79.9	1.7	258.1	780.0	5.3	107.6	277.5	——
1965	2,305.5	135.6	84.4	2.6	267.9	1,345.6	9.7	134.3	325.2	——
1966	3,010.0	141.0	96.9	2.8	278.0	1,952.2	22.4	142.2	374.5	——
1967	3,311.1	144.8	109.6	7.9	264.1	2,231.2	27.4	131.5	394.5	——
1968	3,379.7	144.2	119.7	9.8	243.1	2,215.2	28.2	129.8	422.8	66.9
1969	3,453.3	155.9	121.0	3.9	278.7	2,293.4	24.3	127.2	367.0	81.8
1970	3,226.7	182.1	114.5	4.9	265.5	2,051.0	27.7	131.2	387.4	62.4
Academic science obligations:										
1963	1,328.5	104.0	76.1	1.8	218.0	581.0	3.8	87.4	256.3	——
1964	1,528.6	115.0	79.9	1.7	258.1	683.8	5.1	107.6	277.5	——
1965	1,816.2	135.6	84.4	2.6	267.9	856.5	9.6	134.3	325.2	——
1966	2,163.5	141.0	96.9	2.8	278.0	1,109.2	19.1	142.2	374.5	——
1967	2,323.8	144.8	109.6	4.4	264.1	1,251.0	23.9	131.5	394.5	——
1968	2,349.8	144.2	119.7	8.0	243.1	1,229.4	28.2	129.8	422.8	24.6
1969	2,361.4	155.9	121.0	2.2	278.7	1,261.8	24.3	127.2	367.0	23.3
1970	2,167.9	182.1	114.5	3.9	265.5	1,017.0	27.7	131.2	387.4	38.6
Research and development:										
1963	829.5	40.6	68.3	1.5	218.0	332.9	3.8	59.8	104.6	——
1964	975.6	47.5	70.5	1.1	258.1	399.2	5.0	78.2	115.8	——
1965	1,095.0	59.1	74.8	2.1	267.9	441.9	9.5	100.6	139.2	——
1966	1,252.1	62.9	83.2	2.1	278.0	507.3	18.7	107.4	192.5	——
1967	1,324.1	64.0	89.7	3.4	264.1	577.0	23.9	109.0	193.1	——
1968	1,423.0	62.2	101.8	6.7	243.1	619.1	27.8	126.1	212.4	23.8
1969	1,495.3	63.6	103.1	1.7	278.7	667.1	23.5	122.3	212.1	23.2
1970	1,464.1	67.4	101.4	3.2	265.5	614.9	27.1	127.4	218.7	38.6
R&D plant:										
1963	105.9	——	2.6	——	——	39.2	0.1	13.4	50.6	——
1964	100.8	——	4.0	——	——	39.9	——	9.1	47.8	——
1965	126.2	3.2	3.8	——	——	54.8	(b)	8.4	56.0	——
1966	114.8	2.0	7.4	——	——	48.5	0.2	7.4	49.3	——
1967	116.7	2.0	13.8	0.3	——	38.1	——	5.0	57.5	——
1968	104.1	1.9	11.9	0.2	——	36.9	——	——	53.2	——
1969	57.4	1.2	11.4	——	——	20.5	——	——	24.2	——
1970	27.6	1.1	7.1	(b)	——	(b)	——	——	19.0	——
Other science activities:										
1963	393.1	63.4	5.3	0.3	——	208.9	(b)	14.1	101.1	——
1964	452.2	67.5	5.4	0.6	——	244.6	(b)	20.2	113.9	——
1965	595.0	73.3	5.9	0.6	——	359.8	(b)	25.4	130.1	——
1966	796.6	76.1	6.3	0.7	——	553.3	0.2	27.3	132.7	——
1967	883.0	78.8	6.2	0.7	——	635.9	(b)	17.4	144.0	——
1968	822.7	80.1	6.1	1.0	——	573.4	0.4	3.7	157.2	0.8
1969	808.8	91.1	6.5	0.5	(b)	574.1	0.9	5.0	130.6	0.1
1970	676.3	113.5	5.9	0.7	(b)	401.9	0.6	3.8	149.8	——
Nonscience activities:										
1963	84.5	——	——	——	——	84.3	0.2	——	——	——
1964	96.4	——	——	——	——	96.2	0.2	——	——	——
1965	489.3	(b)	——	——	——	489.1	0.1	——	——	——
1966	846.4	(b)	——	——	——	843.1	3.4	——	——	——
1967	987.3	(b)	——	3.5	——	980.2	3.5	——	——	——
1968	1,029.9	——	——	1.8	——	985.8	——	——	——	42.3
1969	1,091.9	——	——	1.8	(b)	1,031.6	——	——	——	58.5
1970	1,068.8	——	——	1.0	(b)	1,034.0	——	——	——	23.8

[a]Includes Agency for International Development, Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

[b]Less tha $50,000.

SOURCE: National Science Foundation (CASE).

Table C-2.—Federal obligations to universities and colleges, by geographic division, State, and type of support, fiscal year 1970

[Dollars in thousands]

Division and State	Total obligations	Total academic science	Research and development	R & D plant	Other science	Nonscience
United States, total	$3,226,737	$2,167,908	$1,464,075	$27,573	$676,260	$1,058,829
New England	**338,275**	**275,354**	**212,088**	**3,695**	**59,571**	**62,921**
Maine	6,254	3,169	1,310	21	1,838	3,085
New Hampshire	13,584	9,886	6,641	174	3,071	3,698
Vermont	8,313	5,498	3,267	28	2,203	2,815
Massachusetts	244,169	204,843	165,906	2,881	36,056	39,326
Rhode Island	15,577	12,699	9,076	226	3,397	2,878
Connecticut	50,378	39,259	25,888	365	13,006	11,119
Middle Atlantic	**525,147**	**382,416**	**282,224**	**6,005**	**114,187**	**142,731**
New York	320,298	242,617	169,301	2,978	70,338	77,681
New Jersey	49,673	34,364	25,838	189	8,337	15,309
Pennsylvania	155,176	105,435	67,085	2,838	35,512	49,741
East North Central	**552,948**	**359,318**	**238,835**	**4,671**	**115,812**	**193,630**
Ohio	149,782	67,256	43,084	368	23,804	82,526
Indiana	63,380	43,195	25,736	1,463	15,996	20,185
Illinois	151,674	116,577	80,883	978	34,716	35,097
Michigan	114,387	79,228	52,917	886	25,425	35,159
Wisconsin	73,725	53,062	36,215	976	15,871	20,663
West North Central	**239,159**	**150,617**	**88,251**	**1,200**	**61,166**	**88,542**
Minnesota	57,197	40,189	25,012	194	14,983	17,008
Iowa	39,996	25,102	14,931	69	10,102	14,894
Missouri	74,745	45,310	26,695	692	17,923	29,435
North Dakota	8,941	5,063	2,464	37	2,562	3,878
South Dakota	9,378	5,564	2,854	33	2,677	3,814
Nebraska	19,173	9,673	5,360	25	4,288	9,500
Kansas	29,729	19,716	10,935	150	8,631	10,013
South Atlantic	**496,038**	**275,922**	**171,951**	**3,794**	**100,177**	**220,116**
Delaware	4,408	2,908	1,871	10	1,027	1,500
Maryland	69,546	53,459	38,281	328	14,850	16,087
District of Columbia	84,074	25,604	17,777	39	7,788	58,470
Virginia	50,510	27,963	15,765	87	12,111	22,547
West Virginia	19,207	10,055	4,651	974	4,430	9,152
North Carolina	98,799	62,194	36,928	449	24,817	36,605
South Carolina	20,036	11,057	4,625	77	6,355	8,979
Georgia	57,138	35,715	20,942	1,219	13,554	21,423
Florida	92,320	46,967	31,111	611	15,245	45,353
East South Central	**165,109**	**83,835**	**45,422**	**944**	**37,469**	**81,274**
Kentucky	32,039	16,822	9,256	125	7,441	15,217
Tennessee	62,295	34,189	18,377	774	15,038	28,106
Alabama	43,729	20,258	11,560	30	8,668	23,471
Mississippi	27,046	12,566	6,229	15	6,322	14,480
West South Central	**230,192**	**139,750**	**86,135**	**1,017**	**52,598**	**90,442**
Arkansas	17,827	8,890	4,172	49	4,669	8,937

Michigan	114,387	75,125	36,215	976	15,871	20,883
Wisconsin	73,725	53,062				
West North Central	**239,159**	**150,617**	**88,251**	**1,200**	**61,166**	**88,542**
Minnesota	57,197	40,189	25,012	194	14,983	17,008
Iowa	39,996	25,102	14,931	69	10,102	14,894
Missouri	74,745	45,310	26,695	692	17,923	29,435
North Dakota	8,941	5,063	2,464	37	2,562	3,878
South Dakota	9,378	5,564	2,854	33	2,677	3,814
Nebraska	19,173	9,673	5,360	25	4,288	9,500
Kansas	29,729	19,716	10,935	150	8,631	10,013
South Atlantic	**496,038**	**275,922**	**171,951**	**3,794**	**100,177**	**220,116**
Delaware	4,408	2,908	1,871	10	1,027	1,500
Maryland	69,546	53,459	38,281	328	14,850	16,087
District of Columbia	84,074	25,604	17,777	39	7,788	58,470
Virginia	50,510	27,963	15,765	87	12,111	22,547
West Virginia	19,207	10,055	4,651	974	4,430	9,152
North Carolina	98,799	62,194	36,928	449	24,817	36,605
South Carolina	20,036	11,057	4,625	77	6,355	8,979
Georgia	57,138	35,715	20,942	1,219	13,554	21,423
Florida	92,320	46,967	31,111	611	15,245	45,353
East South Central	**165,109**	**83,835**	**45,422**	**944**	**37,469**	**81,274**
Kentucky	32,039	16,822	9,256	125	7,441	15,217
Tennessee	62,295	34,189	18,377	774	15,038	28,106
Alabama	43,729	20,258	11,560	30	8,668	23,471
Mississippi	27,046	12,566	6,229	15	6,322	14,480
West South Central	**230,192**	**139,750**	**86,135**	**1,017**	**52,598**	**90,442**
Arkansas	17,827	8,890	4,172	49	4,669	8,937
Louisiana	42,064	27,074	15,158	292	11,624	14,990
Oklahoma	29,312	15,759	7,538	94	8,127	13,553
Texas	140,989	88,027	59,267	582	28,178	52,962
Mountain	**166,036**	**113,747**	**79,086**	**1,297**	**33,364**	**52,289**
Montana	9,076	4,416	2,504	13	1,899	4,660
Idaho	5,484	3,052	1,358	36	1,658	2,432
Wyoming	4,781	3,461	1,962	17	1,482	1,320
Colorado	59,269	42,777	29,468	685	12,624	16,492
New Mexico	22,375	15,735	12,270	335	3,130	6,640
Arizona	24,810	15,432	10,124	19	5,289	9,378
Utah	35,052	25,079	18,537	177	6,365	9,973
Nevada	5,189	3,795	2,863	15	917	1,394
Pacific	**493,413**	**375,820**	**275,978**	**4,818**	**95,024**	**117,593**
Washington	74,439	48,804	33,686	172	14,946	25,635
Oregon	42,351	31,378	19,189	1,159	11,030	10,973
California	349,775	274,986	206,670	3,300	65,016	74,789
Alaska	8,054	7,107	5,935	110	1,062	947
Hawaii	18,794	13,545	10,498	77	2,970	5,249
Outlying areas[a]	20,420	11,129	4,105	132	6,892	9,291

[a]Includes Puerto Rico, Virgin Islands, and Guam. The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

Table C-3.—Federal obligations for academic science to universities and colleges, by geographic division, State, and agency, fiscal year 1970

[Dollars in thousands]

Division and State	Total, all agencies	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other[a]
United States, total	$2,167,908	$182,054	$144,485	$3,910	$285,485	$1,017,049	$27,714	$131,231	$387,374	$38,606
New England	**275,364**	**7,767**	**17,609**	**348**	**63,571**	**99,988**	**2,524**	**36,378**	**44,344**	**2,825**
Maine	3,169	1,657	4	——	36	528	158	30	744	12
New Hampshire	9,886	1,042	48	——	490	4,001	193	1,479	2,633	——
Vermont	5,498	1,112	66	——	324	3,064	88	25	684	135
Massachusetts	204,843	2,002	13,145	283	58,327	64,259	1,463	33,251	29,454	2,659
Rhode Island	12,699	847	694	——	2,290	3,999	401	269	4,181	18
Connecticut	39,259	1,107	3,652	65	2,104	24,137	221	1,324	6,648	1
Middle Atlantic	**382,416**	**14,613**	**24,865**	**255**	**35,503**	**213,102**	**3,794**	**14,843**	**69,199**	**6,242**
New York	242,617	6,111	17,199	153	21,080	142,699	2,186	7,411	42,244	3,534
New Jersey	34,364	2,066	3,030	87	4,781	11,724	262	4,177	7,834	403
Pennsylvania	105,435	6,436	4,636	15	9,642	58,679	1,346	3,255	19,121	2,305
East North Central	**359,318**	**26,650**	**24,630**	**325**	**44,900**	**164,727**	**2,407**	**15,268**	**68,909**	**11,502**
Ohio	67,256	5,998	2,305	——	12,605	32,037	646	1,876	10,250	1,539
Indiana	43,195	5,644	3,632	100	3,382	16,511	295	1,323	11,265	1,043
Illinois	116,577	5,479	9,834	125	18,589	52,912	550	4,833	23,093	1,162
Michigan	79,228	5,114	5,567	17	8,757	36,159	517	5,633	14,978	2,486
Wisconsin	53,062	4,415	3,292	83	1,567	27,108	399	1,603	9,323	5,272
West North Central	**150,617**	**24,305**	**3,710**	**131**	**9,528**	**81,613**	**3,312**	**5,118**	**21,232**	**1,670**
Minnesota	40,189	4,449	1,844	——	2,508	23,472	856	1,476	5,030	554
Iowa	25,102	4,740	155	——	1,690	12,101	547	1,941	3,648	280
Missouri	45,310	5,094	632	10	3,463	28,801	230	1,055	5,737	288
North Dakota	5,063	1,973	47	121	460	1,444	101	——	917	——
South Dakota	5,564	2,140	37	——	12	849	1,128	57	1,341	——
Nebraska	9,673	2,830	85	——	170	5,048	111	20	1,216	193
Kansas	19,716	3,079	910	——	1,223	9,898	339	569	3,343	355
South Atlantic	**275,922**	**33,225**	**9,557**	**501**	**28,835**	**136,658**	**3,665**	**12,422**	**46,298**	**4,761**
Delaware	2,908	903	30	30	726	453	93	9	664	——
Maryland	53,459	2,327	3,299	114	5,199	31,199	294	3,851	7,052	124
District of Columbia	25,604	430	298	15	4,691	14,491	192	1,940	2,734	813
Virginia	27,963	4,934	664	20	1,576	11,725	627	2,748	5,629	40
West Virginia	10,055	2,977	1	——	340	3,108	691	297	1,975	666
North Carolina	62,194	7,833	2,032	129	5,439	36,837	297	1,019	7,392	1,216
South Carolina	11,057	4,295	128	——	493	2,855	184	130	2,713	259
Georgia	35,715	6,111	1,092	75	3,997	15,191	453	1,318	7,090	388
Florida	46,967	3,415	2,013	118	6,374	20,799	834	1,110	11,049	1,255
East South Central	**63,835**	**23,337**	**2,414**	**498**	**4,377**	**38,813**	**893**	**2,657**	**9,354**	**1,492**

Indiana	43,195	5,644	3,632	100	3,382	16,511	295	1,323	11,265	1,043
Illinois	116,577	5,479	9,834	125	18,589	52,912	550	4,833	23,093	1,162
Michigan	79,228	5,114	5,567	17	8,757	36,159	517	5,633	14,978	2,486
Wisconsin	53,062	4,415	3,292	83	1,567	27,108	399	1,603	9,323	5,272
West North Central	**150,617**	**24,305**	**3,710**	**131**	**9,526**	**81,613**	**3,312**	**5,118**	**21,232**	**1,670**
Minnesota	40,189	4,449	1,844	——	2,508	23,472	856	1,476	5,030	554
Iowa	25,102	4,740	155	——	1,690	12,101	547	1,941	3,648	280
Missouri	45,310	5,094	632	10	3,463	28,801	230	1,055	5,737	288
North Dakota	5,063	1,973	47	121	460	1,444	101	——	917	——
South Dakota	5,564	2,140	37	——	12	849	1,128	57	1,341	——
Nebraska	9,673	2,830	85	——	170	5,048	111	20	1,216	193
Kansas	19,716	3,079	910	——	1,223	9,898	339	569	3,343	355
South Atlantic	**275,922**	**33,225**	**9,557**	**501**	**28,835**	**136,658**	**3,665**	**12,422**	**46,298**	**4,761**
Delaware	2,908	903	30	30	726	453	93	9	664	——
Maryland	53,459	2,327	3,299	114	5,199	31,199	294	3,851	7,052	124
District of Columbia	25,604	430	298	15	4,691	14,491	192	1,940	2,734	813
Virginia	27,963	4,934	664	20	1,576	11,725	627	2,748	5,629	40
West Virginia	10,055	2,977	1	——	340	3,108	691	297	1,975	666
North Caroline	62,194	7,833	2,032	129	5,439	36,837	297	1,019	7,392	1,216
South Carolina	11,057	4,295	128	——	493	2,855	184	130	2,713	259
Georgia	35,715	6,111	1,092	75	3,997	15,191	453	1,318	7,090	388
Florida	46,967	3,415	2,013	118	6,374	20,799	834	1,110	11,049	1,255
East South Central	**83,835**	**23,337**	**2,414**	**498**	**4,377**	**38,813**	**893**	**2,657**	**9,354**	**1,492**
Kentucky	16,822	6,288	99	123	1,136	6,262	211	279	1,575	849
Tennessee	34,189	5,611	2,189	290	1,733	18,146	323	652	4,929	316
Alabama	20,258	5,674	111	——	941	10,592	237	1,310	1,393	——
Mississippi	12,566	5,764	15	85	567	3,813	122	416	1,457	327
West South Central	**139,750**	**21,368**	**3,940**	**398**	**12,980**	**64,493**	**1,055**	**11,152**	**22,401**	**1,963**
Arkansas	8,890	4,219	155	75	——	3,373	139	60	869	——
Louisiana	27,074	4,093	300	130	1,164	13,778	198	715	6,287	409
Oklahoma	15,759	3,695	141	43	1,569	5,630	227	965	3,134	355
Texas	88,027	9,361	3,344	150	10,247	41,712	491	9,412	12,111	1,199
Mountain	**113,747**	**12,492**	**3,690**	**1,069**	**16,748**	**37,922**	**5,671**	**7,933**	**25,104**	**3,118**
Montana	4,416	1,741	33	140	40	813	424	——	1,225	——
Idaho	3,052	1,700	32	——	54	250	281	24	711	——
Wyoming	3,461	1,128	116	15	21	471	551	117	1,042	——
Colorado	42,777	2,267	1,392	822	4,218	17,129	1,210	2,829	12,391	519
New Mexico	15,735	1,653	75	50	4,908	2,966	449	2,859	1,922	853
Arizona	15,432	1,762	514	6	2,852	4,464	200	1,594	3,194	846
Utah	25,079	1,390	1,280	36	4,180	11,290	1,719	287	3,997	900
Nevada	3,795	851	248	——	475	539	837	223	622	——
Pacific	**375,820**	**13,599**	**21,429**	**385**	**49,023**	**176,616**	**4,290**	**25,373**	**80,072**	**5,033**
Washington	48,804	2,975	3,056	3	3,041	28,829	1,062	538	9,127	173
Oregon	31,378	2,406	1,109	——	2,198	13,409	652	500	10,324	780
California	274,986	6,234	16,438	106	39,525	129,572	2,039	22,930	54,130	4,012
Alaska	7,107	861	271	169	2,090	642	408	302	2,296	68
Hawaii	13,545	1,123	555	107	2,169	4,164	129	1,103	4,195	——
Outlying areas[b]	11,129	4,698	2,641	——	22	3,117	103	87	461	——

[a]Includes Agency for International Development, Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

[b]Includes Puerto Rico, Virgin Islands, and Guam. The amounts to the Virgin Islands and Guam were a small fraction of the total.

SOURCE: National Science Foundation (CASE).

Table C-4.—Total Federal obligations to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970

[Dollars in thousands]

Institution (in order of total Federal obligations)	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other[a]
Total for 100 universities and colleges		$2,288,759	$143,072	$100,801	$2,563	$220,865	$1,367,204	$18,155	$112,353	$280,509	$43,237
1. Massachusetts Institute of Technology	Mass.	100,177	——	9,383	109	44,086	10,845	656	26,044	8,313	741
2. University of Michigan	Mich.	59,059	46	3,090	3	7,710	32,228	250	5,505	7,331	2,896
3. University of Washington	Wash.	58,977	208	2,722	3	2,800	44,183	742	519	7,652	148
4. Harvard University	Mass.	55,562	——	2,000	174	2,998	35,742	55	6,002	7,749	842
5. Stanford University	Calif.	53,479	——	789	39	10,928	24,376	234	4,410	12,590	113
6. University of California—Los Angeles	Calif.	52,619	——	5,066	5	6,216	31,253	330	2,439	5,764	1,546
7. University of Wisconsin—Madison	Wis.	51,740	4,415	3,229	8	1,010	28,461	343	1,603	7,225	5,446
8. Columbia University[b]	N.Y.	49,574	20	5,030	46	7,274	27,765	120	1,919	6,879	521
9. University of Cincinnati	Ohio	47,221	——	184	——	1,599	44,681	57	202	498	——
10. Ohio State University	Ohio	46,587	5,998	831	——	3,337	30,951	466	763	3,237	1,004
11. University of Minnesota	Minn.	46,529	4,449	1,844	3	2,508	30,399	846	1,476	3,364	1,640
12. University of California-Berkeley	Calif.	44,112	561	752	——	4,875	22,647	628	6,695	6,689	1,265
13. University of Illinois—Urbana	Ill.	43,198	5,429	4,247	——	12,878	11,312	408	782	7,801	341
14. University of Florida	Fla.	41,504	3,395	445	——	1,850	31,425	329	487	2,663	910
15. University of Chicago	Ill.	39,597	——	5,017	125	1,610	23,655	75	2,807	6,230	78
16. University of California—San Diego	Calif.	39,001	——	2,027	49	10,663	10,803	——	3,463	11,578	418
17. Cornell University	N.Y.	37,972	5,955	1,767	——	3,201	17,271	177	1,270	7,417	914
18. New York University	N.Y.	37,779	25	2,137	37	2,434	29,647	64	701	2,182	552
19. University of Pennsylvania	Pa.	37,074	2	1,723	——	2,639	26,677	52	259	4,891	831
20. Johns Hopkins University	Md.	36,177	29	957	52	2,367	29,706	65	486	2,505	10
21. Yale University	Conn.	33,904	——	3,515	——	1,631	23,586	1	694	4,476	1
22. University of North Carolina—Chapel Hill	N.C.	33,359	——	462	——	1,186	28,889	53	79	2,150	540
23. Howard University	D.C.	32,529	70	96	168	22	28,652	——	174	291	3,056
24. University of Colorado	Colo.	32,118	——	1,108	483	1,832	21,701	95	1,504	4,986	409
25. University of Maryland	Md.	27,846	2,298	2,342	62	2,820	12,574	229	3,294	4,046	181
26. Duke University	N.C.	27,754	2	1,005	15	3,283	20,796	19	149	2,329	156
27. Washington University	Mo.	26,901	——	353	5	1,877	22,339	——	686	1,641	——
28. University of California—San Francisco	Calif.	26,784	——	723	——	324	25,563	——	113	61	——
29. George Washington University	D.C.	26,357	——	10	——	1,641	22,249	47	1,500	467	443
30. University of Pittsburgh	Pa.	25,620	5	469	——	1,150	19,836	212	664	2,555	729
31. University of Rochester	N.Y.	25,190	——	5,061	——	884	14,641	——	233	4,255	116
32. University of Utah	Utah	24,973	——	1,138	4	2,898	16,849	864	160	2,113	947
33. Case Western Reserve University	Ohio	24,361	——	992	——	2,523	17,759	110	803	2,108	66
34. University of Southern California	Calif.	24,351	1	247	3	1,785	16,372	62	1,506	2,397	1,978
35. Purdue University	Ind.	23,490	5,625	1,682	100	2,222	7,907	260	711	4,585	398
36. Michigan State University	Mich.	23,361	5,042	2,162	——	382	10,310	220	47	4,271	927
37. University of Miami	Fla.	23,330	——	330	89	2,367	15,390	505	375	3,859	415
38. Yeshiva University	N.Y.	22,774	——	135	——	757	19,051	75	——	2,506	250
39. University of Missouri—Columbia	Mo.	22,715	5,037	130	5	1,145	14,287	167	173	1,743	28
40. Pennsylvania State University	Pa.	22,075	6,369	517	15	992	8,310	845	1,429	3,188	410
41. University of Texas—Southwestern Medical School	Tex	21,753	——	44	——	——	21,526	——	106	77	——
42. University of Iowa	Iowa	20,410	11	95	——	1,086	15,239	88	1,904	1,841	146
43. Tufts University	Mass.	18,977	——	390	——	393	15,233	——	60	554	2,347
44. University of Texas—Austin	Tex.	18,910	——	770	——	5,272	7,585	105	1,316	3,709	153

18. New York University	N.Y.	37,779	25	2,137	37	2,434	29,647	64	701	2,182	552
19. University of Pennsylvania	Pa.	37,074	2	1,723	——	2,639	26,677	52	259	4,891	831
20. Johns Hopkins University	Md.	36,177	29	957	52	2,367	29,706	65	486	2,505	10
21. Yale University	Conn.	33,904	——	3,515	——	1,631	23,586	1	694	4,476	1
22. University of North Carolina—Chapel Hill	N.C.	33,359	——	462	——	1,186	28,889	53	79	2,150	540
23. Howard University	D.C.	32,529	70	96	168	22	28,652	——	174	291	3,056
24. University of Colorado	Colo.	32,118	——	1,108	483	1,832	21,701	95	1,504	4,986	409
25. University of Maryland	Md.	27,846	2,298	2,342	62	2,820	12,574	229	3,294	4,046	181
26. Duke University	N.C.	27,754	2	1,005	15	3,283	20,796	19	149	2,329	156
27. Washington University	Mo.	26,901	——	353	5	1,877	22,339	——	686	1,641	——
28. University of California—San Francisco	Calif.	26,784	——	723	——	324	25,563	——	113	61	——
29. George Washington University	D.C.	26,357	——	10	——	1,641	22,249	47	1,500	467	443
30. University of Pittsburgh	Pa.	25,620	5	469	——	1,150	19,836	212	664	2,555	729
31. University of Rochester	N.Y.	25,190	——	5,061	——	884	14,641	——	233	4,255	116
32. University of Utah	Utah	24,973	——	1,138	4	2,898	16,849	864	160	2,113	947
33. Case Western Reserve University	Ohio	24,361	——	992	——	2,523	17,759	110	803	2,108	66
34. University of Southern California	Calif.	24,351	1	247	3	1,785	16,372	62	1,506	2,397	1,978
35. Purdue University	Ind.	23,490	5,625	1,682	100	2,222	7,907	260	711	4,585	398
36. Michigan State University	Mich.	23,361	5,042	2,162	——	382	10,310	220	47	4,271	927
37. University of Miami	Fla.	23,330	——	330	89	2,367	15,390	505	375	3,859	415
38. Yeshiva University	N.Y.	22,774	——	135	——	757	19,051	75	——	2,506	250
39. University of Missouri—Columbia	Mo.	22,715	5,037	130	5	1,145	14,287	167	173	1,743	28
40. Pennsylvania State University	Pa.	22,075	6,369	517	15	992	8,310	845	1,429	3,188	410
41. University of Texas—Southwestern Medical School	Tex	21,753	——	44	——	——	21,526	——	106	77	——
42. University of Iowa	Iowa	20,410	11	95	——	1,086	15,239	88	1,904	1,841	146
43. Tufts University	Mass.	18,977	——	390	——	393	15,233	——	60	554	2,347
44. University of Texas—Austin	Tex.	18,910	——	770	——	5,272	7,585	105	1,316	3,709	153
45. University of Hawaii	Hawaii	18,682	1,123	555	107	2,169	9,301	129	1,103	4,195	——
46. Northwestern University	Ill.	18,457	2	240	——	1,488	11,435	20	1,038	3,998	236
47. Princeton University	N.J.	17,728	——	2,676	19	3,063	4,119	——	3,933	3,896	22
48. California Institute of Technology	Calif.	17,535	——	2,719	——	2,496	4,964	167	3,166	4,023	——
49. University of Kentucky	Ky.	16,863	6,269	93	123	856	8,020	211	279	969	43
50. University of Georgia	Ga.	16,825	6,058	649	70	459	4,935	252	25	4,366	11
51. University of Arizona	Ariz.	16,805	1,704	425	6	2,614	8,108	198	1,552	2,090	108
52. University of Alabama—Birmingham	Ala.	16,418	——	2	——	104	16,003	——	——	309	——
53. Texas A&M University	Tex.	16,285	9,155	1,123	75	1,880	1,766	167	659	1,460	——
54. Temple University	Pa.	16,022	——	106	——	132	14,722	——	221	674	167
55. Boston University	Mass.	15,764	——	31	——	491	13,700	——	130	1,277	135
56. Virginia Commonwealth University	Va.	15,545	——	54	——	177	14,708	——	505	101	——
57. Colorado State University	Colo.	15,363	2,267	284	98	1,061	4,629	840	482	5,270	432
58. Vanderbilt University	Tenn.	15,322	——	201	——	404	12,982	156	76	1,503	——
59. North Carolina State University—Raleigh	N.C.	15,284	7,785	506	14	946	3,188	225	752	1,474	394
60. University of California—Davis	Calif.	15,264	111	2,572	——	242	9,658	181	586	1,878	36
61. SUNY State University-Buffalo	N.Y.	15,216	——	204	——	366	13,257	98	157	1,031	103
62. Rutgers, The State University	N.J.	14,713	2,066	124	——	401	9,316	241	129	2,019	417
63. Indiana University—Bloomington	Ind.	14,678	9	272	——	766	8,101	22	494	4,369	845
64. University of Tennessee	Tenn.	14,434	5,592	1,837	——	1,314	3,720	114	462	1,395	——
65. University of Kansas	Kans.	14,145	1	453	——	623	10,696	124	515	1,563	170
66. Baylor University—College of Medicine	Tex.	14,135	——	21	——	——	13,672	——	357	——	85
67. University of Oregon	Oreg.	14,116	6	397	——	816	6,897	10	277	4,920	793
68. Emory University	Ga.	14,110	——	76	——	163	12,754	——	345	508	264
69. Oregon State University	Oreg.	13,945	2,400	600	——	1,292	3,952	642	172	4,560	327
70. University of Virginia	Va.	13,640	6	392	——	1,162	9,570	96	939	1,475	——
71. Tulane University	La.	13,445	——	77	——	247	12,040	23	48	908	102
72. Florida State University	Fla.	12,301	——	1,180	29	1,649	6,196	——	133	2,917	197
73. University of Arkansas	Ark.	12,104	4,196	155	75	——	6,689	139	——	850	——
74. West Virginia University	W. Va.	11,995	2,977	1	——	340	5,920	691	297	1,655	114
75. Louisiana State University-Baton Route	La.	11,648	4,028	217	——	784	1,901	144	615	3,939	20
76. Wayne State University	Mich.	11,534	——	140	——	413	9,328	——	66	1,162	425
77. University of Oklahoma	Okla.	11,307	——	99	43	607	8,502	34	106	1,569	347
78. Indiana University—Indianapolis	Ind.	11,290	——	17	——	——	11,211	——	——	62	——
79. Iowa State University of Science and Technology	Iowa	10,963	4,729	55	——	604	3,603	459	37	967	509
80. University of Connecticut	Conn.	10,631	1,107	92	50	426	7,225	220	393	1,118	——

Table C-4.—Total Federal obligations to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970 (Continued)

Institution (in order of total Federal obligations)	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other[a]
81. CUNY Mt. Sinai School of Medicine	N.Y.	10,441	——	35	——	65	10,202	——	——	139	——
82. University of Massachusetts	Mass.	10,140	2,002	225	28	473	4,931	308	418	1,605	150
83. Woods Hole Oceanographic Institute	Mass.	10,033	——	634	——	5,444	92	394	25	3,415	29
84. New Mexico State University	N. Mex.	9,503	1,653	——	30	2,516	2,105	418	2,267	476	38
85. Georgetown University	D.C.	9,416	——	52	——	578	7,659	21	25	989	92
86. Auburn University	Ala.	9,135	5,408	19	——	262	1,704	194	486	262	800
87. Oklahoma State University	Okla.	9,077	3,679	42	——	962	2,487	190	729	980	8
88. Virginia Polytechnic Institute	Va.	8,977	4,910	185	——	199	1,382	528	281	1,492	——
89. Syracuse University	N.Y.	8,946	17	208	——	1,228	4,700	144	446	2,052	151
90. Kansas State University	Kans.	8,880	3,078	434	——	600	3,108	215	54	1,189	202
91. University of New Mexico	N. Mex.	8,822	——	66	20	1,856	4,636	4	574	810	856
92. University of Illinois—Medical Center	Ill.	8,821	——	——	——	——	8,766	——	——	55	——
93. University of Mississippi	Miss.	8,622	17	15	174	170	7,373	——	22	851	——
94. Mississippi State University	Miss.	8,264	5,725	——	——	397	1,229	122	394	200	197
95. Brown University	R.I.	8,113	——	633	——	1,214	3,973	33	269	1,991	——
96. University of Tennessee—Medical Units Memphis	Tenn.	8,052	——	103	——	15	7,928	——	——	6	——
97. New York Medical College	N.Y.	7,880	——	——	——	44	7,732	——	——	104	——
98. St. Louis University	Mo.	7,879	——	5	——	341	6,560	——	129	562	282
99. SUNY State University—Stony Brook	N.Y.	7,814	——	861	——	51	1,845	——	414	4,393	250
100. Carnegie Mellon University	Pa.	7,652	——	1,623	——	2,440	1,333	127	259	1,702	168

[a]Includes Agency for International Development, Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.
[b]Main university only.

SOURCE: National Science Foundation (CASE).

Table C-5.—Federal obligations to 100 universities and colleges receiving the largest amounts, by type of program, fiscal year 1970

[Dollars in thousands]

Institution (in order of total Federal obligations)	State	Total obligations		Academic obligations								Nonscience activities	
				Total		Research and development		R & D plant		Other science			
		Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total
Total for 100 universities and colleges		$2,268,759	70.93	$1,767,215	81.06	$1,234,964	84.35	$22,129	80.26	$500,122	73.95	$531,544	50.20
1. Massachusetts Institute of Technology	Mass.	100,177	3.10	99,497	4.59	92,309	6.30	1,784	6.57	5,404	.80	680	.06
2. University of Michigan	Mich.	59,059	1.83	49,167	2.27	36,558	2.50	601	2.18	12,008	1.78	9,892	.93
3. University of Washington	Wash.	58,977	1.83	41,059	1.89	29,687	2.03	140	.51	11,232	1.66	17,918	1.69
4. Harvard University	Mass.	55,562	1.72	50,830	2.34	37,546	2.56	349	1.27	12,935	1.91	4,732	.45
5. Stanford University	Calif.	53,479	1.66	50,920	2.35	39,086	2.67	966	3.50	10,868	1.61	2,559	.24
6. University of California—Los Angeles	Calif.	52,619	1.63	45,620	2.10	35,206	2.40	1,439	5.22	8,975	1.33	6,999	.66
7. University of Wisconsin—Madison	Wis.	51,740	1.60	45,798	2.11	32,815	2.24	794	2.88	12,189	1.80	5,942	.56
8. Columbia University[a]	N.Y.	49,574	1.54	43,973	2.03	34,046	2.33	593	2.15	9,334	1.38	5,601	.53
9. University of Cincinnati	Ohio	47,221	1.46	8,447	.39	5,145	.35	———	———	3,302	.49	38,774	3.66
10. Ohio State University	Ohio	46,587	1.44	25,297	1.17	16,159	1.10	54	.20	9,084	1.34	21,290	2.01
11. University of Minnesota	Minn.	46,529	1.44	37,896	1.75	24,719	1.69	194	.70	12,983	1.92	8,633	.82
12. University of California—Berkeley	Calif.	44,112	1.37	38,008	1.75	28,433	1.94	25	.09	9,550	1.41	6,104	.58
13. University of Illinois—Urbana	Ill.	43,198	1.34	40,270	1.86	30,446	2.08	519	1.88	9,305	1.38	2,928	.28
14. University of Florida	Fla.	41,504	1.29	18,492	.85	11,349	.78	517	1.88	6,626	.98	23,012	2.17
15. University of Chicago	Ill.	39,597	1.23	36,637	1.69	26,467	1.81	310	1.12	9,860	1.46	2,960	.28
16. University of California—San Diego	Calif.	39,001	1.21	37,757	1.74	34,953	2.39	30	.11	2,774	.41	1,244	.12
17. Cornell University	N.Y.	37,972	1.18	35,057	1.62	23,787	1.62	56	.20	11,214	1.66	2,915	.28
18. New York University	N.Y.	37,779	1.17	30,616	1.41	21,097	1.44	551	2.00	8,968	1.33	7,163	.68
19. University of Pennsylvania	Pa.	37,074	1.15	32,885	1.52	22,134	1.51	1,776	6.44	8,975	1.33	4,189	.40
20. Johns Hopkins University	Md.	36,177	1.12	29,901	1.38	21,565	1.47	76	.28	8,260	1.22	6,276	.59
21. Yale University	Conn.	33,904	1.05	29,054	1.34	20,120	1.37	259	.94	8,675	1.28	4,850	.46
22. University of North Carolina—Chapel Hill	N.C.	33,359	1.03	18,010	.83	10,933	.75	17	.06	7,060	1.04	15,349	1.45
23. Howard University	D.C.	32,529	1.01	2,671	.12	1,480	.10	———	———	1,191	.18	29,858	2.82
24. University of Colorado	Colo.	32,118	1.00	22,778	1.05	15,809	1.08	216	.78	6,753	1.00	9,340	.88
25. University of Maryland	Md.	27,846	.86	22,417	1.03	16,549	1.13	252	.91	5,616	.83	5,429	.51
26. Duke University	N.C.	27,754	.86	24,167	1.11	16,166	1.10	250	.91	7,751	1.15	3,587	.34
27. Washington University	Mo.	26,901	.83	22,956	1.06	15,170	1.04	93	.34	7,693	1.14	3,945	.37
28. University of California—San Francisco	Calif.	26,784	.83	19,852	.92	13,628	.93	55	.20	6,169	.91	6,932	.65
29. George Washington University	D.C.	26,357	.82	9,611	.44	7,905	.54	27	.10	1,678	.25	16,746	1.58
30. University of Pittsburgh	Pa.	25,620	.79	18,253	.84	12,036	.82	1	(b)	6,216	.92	7,367	.70
31. University of Rochester	N.Y.	25,190	.78	21,689	1.00	15,951	1.09	857	3.11	4,881	.72	3,501	.33
32. University of Utah	Utah	24,973	.77	17,507	.81	13,287	.91	177	.64	4,043	.60	7,466	.71
33. Case Western Reserve University	Ohio	24,361	.75	20,431	.94	13,743	.94	40	.15	6,648	.98	3,930	.37
34. University of Southern California	Calif.	24,351	.75	18,964	.87	12,466	.85	178	.65	6,320	.93	5,387	.51

Madison	Wis.	51,740	1.60	45,798	2.11	32,815	2.24	794	2.66	12,705	1.38	5,601	.53
8. Columbia University[a]	N.Y.	49,574	1.54	43,973	2.03	34,046	2.33	593	2.15	9,334	1.38	5,601	.53
9. University of Cincinnati	Ohio	47,221	1.46	8,447	.39	5,145	.35	———	———	3,302	.49	38,774	3.66
10. Ohio State University	Ohio	46,587	1.44	25,297	1.17	16,159	1.10	54	.20	9,084	1.34	21,290	2.01
11. University of Minnesota	Minn.	46,529	1.44	37,896	1.75	24,719	1.69	194	.70	12,983	1.92	8,633	.82
12. University of California—Berkeley	Calif.	44,112	1.37	38,008	1.75	28,433	1.94	25	.09	9,550	1.41	6,104	.58
13. University of Illinois—Urbana	Ill.	43,198	1.34	40,270	1.86	30,446	2.08	519	1.88	9,305	1.38	2,928	.28
14. University of Florida	Fla.	41,504	1.29	18,492	.85	11,349	.78	517	1.88	6,626	.98	23,012	2.17
15. University of Chicago	Ill.	39,597	1.23	36,637	1.69	26,467	1.81	310	1.12	9,860	1.46	2,960	.28
16. University of California—San Diego	Calif.	39,001	1.21	37,757	1.74	34,953	2.39	30	.11	2,774	.41	1,244	.12
17. Cornell University	N.Y.	37,972	1.18	35,057	1.62	23,787	1.62	56	.20	11,214	1.66	2,915	.28
18. New York University	N.Y.	37,779	1.17	30,616	1.41	21,097	1.44	551	2.00	8,968	1.33	7,163	.68
19. University of Pennsylvania	Pa.	37,074	1.15	32,885	1.52	22,134	1.51	1,776	6.44	8,975	1.33	4,189	.40
20. Johns Hopkins University	Md.	36,177	1.12	29,901	1.38	21,565	1.47	76	.28	8,260	1.22	6,276	.59
21. Yale University	Conn.	33,904	1.05	29,054	1.34	20,120	1.37	259	.94	8,675	1.28	4,850	.46
22. University of North Carolina—Chapel Hill	N.C.	33,359	1.03	18,010	.83	10,933	.75	17	.06	7,060	1.04	15,349	1.45
23. Howard University	D.C.	32,529	1.01	2,671	.12	1,480	.10	———	———	1,191	.18	29,858	2.82
24. University of Colorado	Colo.	32,118	1.00	22,778	1.05	15,809	1.08	216	.78	6,753	1.00	9,340	.88
25. University of Maryland	Md.	27,846	.86	22,417	1.03	16,549	1.13	252	.91	5,616	.83	5,429	.51
26. Duke University	N.C.	27,754	.86	24,167	1.11	16,166	1.10	250	.91	7,751	1.15	3,587	.34
27. Washington University	Mo.	26,901	.83	22,956	1.06	15,170	1.04	93	.34	7,693	1.14	3,945	.37
28. University of California—San Francisco	Calif.	26,784	.83	19,852	.92	13,628	.93	55	.20	6,169	.91	6,932	.65
29. George Washington University	D.C.	26,357	.82	9,611	.44	7,906	.54	27	.10	1,678	.25	16,746	1.58
30. University of Pittsburgh	Pa.	25,620	.79	18,253	.84	12,036	.82	1	(b)	6,216	.92	7,367	.70
31. University of Rochester	N.Y.	25,190	.78	21,689	1.00	15,951	1.09	857	3.11	4,881	.72	3,501	.33
32. University of Utah	Utah	24,973	.77	17,507	.81	13,287	.91	177	.64	4,043	.60	7,466	.71
33. Case Western Reserve University	Ohio	24,361	.75	20,431	.94	13,743	.94	40	.15	6,648	.98	3,930	.37
34. University of Southern California	Calif.	24,351	.75	18,964	.87	12,466	.85	178	.65	6,320	.93	5,387	.51
35. Purdue University	Ind.	23,490	.73	20,704	.96	12,290	.84	134	.49	8,280	1.22	2,786	.26
36. Michigan State University	Mich.	23,361	.72	18,155	.84	10,530	.72	280	1.02	7,345	1.09	5,206	.49
37. University of Miami	Fla.	23,330	.72	15,374	.71	12,528	.86	48	.17	2,798	.41	7,956	.75
38. Yeshiva University	N.Y.	22,774	.71	19,715	.91	13,567	.93	30	.11	6,118	.90	3,059	.29
39. University of Missouri—Columbia	Mo.	22,715	.70	14,116	.65	6,900	.47	119	.43	7,097	1.05	8,599	.81
40. Pennsylvania State University	Pa.	22,075	.68	18,807	.87	11,078	.76	71	.26	7,658	1.13	3,268	.31
41. University of Texas—Southwestern Medical School	Tex.	21,753	.67	6,740	.31	4,342	.30	———	———	2,398	.35	15,013	1.42
42. University of Iowa	Iowa	20,410	.63	14,822	.68	9,985	.68	69	.25	4,768	.71	5,588	.53
43. Tufts University	Mass.	18,977	.59	6,275	.29	4,354	.30	23	.08	1,898	.28	12,702	1.20
44. University of Texas—Austin	Tex.	18,910	.59	16,281	.75	12,696	.87	265	.96	3,320	.49	2,629	.25
45. University of Hawaii	Hawaii	18,682	.58	13,545	.62	10,498	.72	77	.28	2,970	.44	5,137	.49
46. Northwestern University	Ill.	18,457	.57	15,495	.71	10,217	.70	25	.09	5,253	.78	2,962	.28
47. Princeton University	N.J.	17,728	.55	16,546	.76	14,487	.99	147	.53	1,912	.28	1,182	.11
48. California Institute of Technology	Calif.	17,535	.54	17,379	.80	15,027	1.03	191	.69	2,161	.32	156	.01
49. University of Kentucky	Ky.	16,863	.52	12,608	.58	7,116	.49	67	.24	5,425	.80	4,255	.40
50. University of Georgia	Ga.	16,825	.52	14,687	.68	6,911	.47	1,195	4.33	6,581	.97	2,138	.20
51. University of Arizona	Ariz.	16,805	.52	11,951	.55	8,227	.56	19	.07	3,705	.55	4,854	.46
52. University of Alabama—Birmingham	Ala.	16,418	.51	9,229	.43	6,677	.46	———	———	2,552	.38	7,189	.68
53. Texas A&M University	Tex.	16,285	.50	15,311	.71	7,560	.52	145	.53	7,606	1.12	974	.09
54. Temple University	Pa.	16,022	.50	8,772	.40	5,610	.38	2	.01	3,160	.47	7,250	.68
55. Boston University	Mass.	15,764	.49	10,769	.50	5,282	.36	130	.47	5,357	.79	4,995	.47
56. Virginia Commonwealth University	Va.	15,545	.48	5,223	.24	3,507	.24	———	———	1,716	.25	10,322	.97
57. Colorado State University	Colo.	15,363	.48	13,077	.60	9,560	.65	457	1.66	3,060	.45	2,286	.22
58. Vanderbilt University	Tenn.	15,322	.47	11,822	.55	7,771	.53	26	.09	4,025	.60	3,500	.33
59. North Carolina State University—Raleigh	N.C.	15,284	.47	14,339	.66	7,066	.48	7	.03	7,276	1.08	945	.09
60. University of California—Davis	Calif.	15,264	.47	13,585	.63	10,585	.72	228	.83	2,772	.41	1,679	.16

Table C-5.—Federal obligations to 100 universities and colleges receiving the largest amounts, by type of program, fiscal year 1970 (Continued)

Institution (in order of total Federal obligations)	State	Total obligations		Academic obligations								Nonscience activities	
				Total		Research and development		R & D plant		Other science			
		Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total	Amount	Percent of U.S. total
61. SUNY State University—Buffalo	N.Y.	15,216	.47	10,188	.47	6,844	.47	——	——	3,344	.49	5,028	.47
62. Rutgers, The State University	N.J.	14,713	.46	11,878	.55	7,527	.51	29	.11	4,322	.64	2,835	.27
63. Indiana University—Bloomington	Ind.	14,678	.45	10,724	.49	6,789	.46	1,102	4.00	2,833	.42	3,954	.37
64. University of Tennessee—Knoxville	Tenn.	14,434	.45	12,631	.58	6,045	.41	745	2.70	5,841	.86	1,803	.17
65. University of Kansas	Kans.	14,145	.44	11,382	.53	7,010	.48	26	.09	4,346	.64	2,763	.26
66. Baylor College of Medicine	Tex.	14,135	.44	12,452	.57	9,319	.64	——	——	3,133	.46	1,683	.16
67. University of Oregon	Oreg.	14,116	.44	11,256	.52	6,782	.46	1,003	3.64	3,471	.51	2,860	.27
68. Emory University	Ga.	14,110	.44	9,857	.45	6,295	.43	——	——	3,562	.53	4,253	.40
69. Oregon State University	Oreg.	13,945	.43	12,511	.58	8,471	.58	151	.55	3,889	.58	1,434	.14
70. University of Virginia	Va.	13,640	.42	10,071	.46	6,516	.45	38	.14	3,517	.52	3,569	.34
71. Tulane University	La.	13,445	.42	10,989	.51	7,201	.49	——	——	3,788	.56	2,456	.23
72. Florida State University	Fla.	12,301	.38	9,434	.44	5,709	.39	35	.13	3,690	.55	2,867	.27
73. University of Arkansas	Ark.	12,104	.38	8,514	.39	4,080	.28	49	.18	4,385	.65	3,590	.34
74. West Virginia University	W. Va.	11,995	.37	8,773	.40	3,969	.27	944	3.42	3,860	.57	3,222	.30
75. Louisiana State University—Baton Rouge	La.	11,648	.36	10,472	.48	5,404	.37	292	1.06	4,776	.71	1,176	.11
76. Wayne State University	Mich.	11,534	.36	7,020	.32	4,261	.29	——	——	2,759	.41	4,514	.43
77. University of Oklahoma	Okla.	11,307	.35	6,799	.31	3,413	.23	32	.12	3,354	.50	4,508	.43
78. Indiana University—Indianapolis	Ind.	11,290	.35	5,599	.26	3,397	.23	——	——	2,202	.33	5,691	.54
79. Iowa State University of Science and Technology	Iowa	10,963	.34	9,015	.42	4,830	.33	——	——	4,185	.62	1,948	.18
80. University of Connecticut	Conn.	10,631	.33	8,030	.37	4,707	.32	58	.21	3,265	.48	2,601	.25
81. CUNY Mt. Sinai School of Medicine	N.Y.	10,441	.32	9,735	.45	7,128	.49	——	——	2,607	.39	706	.07
82. University of Massachusetts	Mass.	10,140	.31	7,254	.33	4,807	.33	37	.13	2,410	.36	2,886	.27
83. Woods Hole Oceanographic Institute	Mass.	10,033	.31	10,033	.46	9,873	.67	31	.11	129	.02	——	——
84. New Mexico State University	N. Mex.	9,503	.29	7,900	.36	6,321	.43	35	.13	1,544	.23	1,603	.15
85. Georgetown University	D.C.	9,416	.29	6,135	.28	4,103	.28	——	——	2,032	.30	3,281	.31
86. Auburn University	Ala.	9,135	.28	7,045	.32	2,657	.18	——	——	4,388	.65	2,090	.20
87. Oklahoma State University	Okla.	9,077	.28	7,687	.35	3,953	.27	62	.22	3,672	.54	1,390	.13
88. Virginia Polytechnic Institute	Va.	8,977	.28	8,248	.38	4,082	.28	36	.13	4,130	.61	729	.07
89. Syracuse University	N.Y.	8,946	.28	7,536	.35	5,120	.35	27	.10	2,389	.35	1,410	.13
90. Kansas State University	Kans.	8,880	.28	7,324	.34	3,831	.26	124	.45	3,369	.50	1,556	.15
91. University of New Mexico	N. Mex.	8,822	.27	6,123	.28	4,726	.32	300	1.09	1,097	.16	2,699	.25
92. University of Illinois—Medical Center	Ill.	8,821	.27	6,138	.28	3,618	.25	4	.01	2,516	.37	2,683	.25
93. University of Mississippi	Miss.	8,622	.27	4,513	.21	2,935	.20	15	.05	1,563	.23	4,109	.39
94. Mississippi State University	Miss.	8,264	.26	7,205	.33	3,142	.21	——	——	4,063	.60	1,059	.10
95. Brown University	R.I.	8,113	.25	7,433	.34	5,756	.39	——	——	1,677	.25	680	.06
96. University of Tennessee—Medical Units	Tenn.	8,052	.25	3,586	.17	2,347	.16	——	——	1,239	.18	4,466	.42
97. New York Medical College	N.Y.	7,880	.24	4,792	.22	3,580	.24	——	——	1,212	.18	3,088	.29
98. St. Louis University	Mo.	7,879	.24	5,230	.24	3,670	.25	——	——	1,560	.23	2,649	.25
99. SUNY State University—Stony Brook	N.Y.	7,814	.24	6,667	.31	5,418	.37	3	.01	1,246	.18	1,147	.11
100. Carnegie Mellon University	Pa.	7,652	.24	7,222	.33	6,216	.42	——	——	1,006	.15	430	.04

[a] Main university only.

[b] Less than .005 percent.

SOURCE: National Science Foundation (CASE).

Table C-6.—Distribution of Federal obligations to universities and colleges, ranked in various groups, by type of program, fiscal year 1970

[Dollars in thousands]

Type of program	Groups of institutions, ranked in order of total Federal obligations, 1970					
	Total, all institutions	First 10	First 20	First 50	First 100	All other institutions
Total, all programs:						
Amount	$3,226,737	$574,995	$977,938	$1,693,870	$2,288,759	$937,978
Percent of total	100.00	17.82	30.31	52.49	70.93	29.07
Academic science:						
Amount	2,167,908	460,608	798,127	1,307,736	1,757,215	410,693
Percent of total	100.00	21.25	36.82	60.32	81.06	18.94
Research and Development:						
Amount	1,464,075	358,557	603,507	951,277	1,234,964	229,111
Percent of total	100.00	24.49	41.22	64.97	84.35	15.65
R & D plant:						
Amount	27,573	6,720	10,774	15,937	22,129	5,444
Percent of total	100.00	24.37	39.07	57.80	80.26	19.74
Other science:						
Amount	676,260	95,331	183,846	340,522	500,122	176,138
Percent of total	100.00	14.10	27.19	50.35	73.95	26.05
Nonscience activities:						
Amount	1,058,829	114,387	179,811	386,134	531,544	527,285
Percent of total	100.00	10.80	16.98	36.47	50.20	49.80

SOURCE: National Science Foundation (CASE).

Table C-7.—Federal obligations for academic science to 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970

[Dollars in thousands]

Institution	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other[a]
1. Massachusetts Institution of Technology	Mass.	99,497	———	9,383	109	44,086	10,165	656	26,044	8,313	741
2. Stanford University	Calif.	50,920	———	789	39	10,928	21,817	234	4,410	12,590	113
3. Harvard University	Mass.	50,830	———	2,000	174	2,998	31,010	55	6,002	7,749	842
4. University of Michigan	Mich.	49,167	46	3,090	3	7,710	23,403	250	5,505	7,331	1,829
5. University of Wisconsin—Madison	Wis.	45,798	4,415	3,229	8	1,010	22,809	343	1,603	7,225	5,156
6. University of California—Los Angeles	Calif.	45,620	———	5,066	5	6,216	24,854	330	2,439	5,764	946
7. Columbia University[b]	N.Y.	43,973	20	5,030	46	7,274	22,263	120	1,919	6,879	422
8. University of Washington	Wash.	41,059	208	2,722	3	2,800	26,265	742	519	7,652	148
9. University of Illinois—Urbana	Ill.	40,270	5,429	4,247	———	12,878	8,534	408	782	7,801	191
10. University of California—Berkeley	Calif.	38,008	561	752	———	4,875	16,983	628	6,695	6,689	825
11. University of Minnesota	Minn.	37,896	4,449	1,844	———	2,508	22,855	846	1,476	3,364	554
12. University of California—San Diego	Calif.	37,757	———	2,027	49	10,663	9,977	———	3,463	11,578	———
13. University of Chicago	Ill.	36,637	———	5,017	125	1,610	20,702	75	2,807	6,230	71
14. Cornell University	N.Y.	35,057	5,955	1,767	———	3,201	15,096	177	1,270	7,417	174
15. University of Pennsylvania	Pa.	32,885	2	1,723	———	2,639	22,488	52	259	4,891	831
16. New York University	N.Y.	30,616	25	2,137	37	2,434	22,484	64	701	2,182	552
17. Johns Hopkins University	Md.	29,901	29	957	52	2,367	23,430	65	486	2,505	10
18. Yale University	Conn.	29,054	———	3,515	———	1,631	18,736	1	694	4,476	1
19. Ohio State University	Ohio	25,297	5,998	831	———	3,337	9,661	466	763	3,237	1,004
20. Duke University	N.C.	24,167	2	1,005	15	3,283	17,349	19	149	2,329	16
21. Washington University	Mo.	22,956	———	353	5	1,877	18,394	———	686	1,641	———
22. University of Colorado	Colo.	22,778	———	1,108	483	1,832	12,756	95	1,504	4,986	14
23. University of Maryland	Md.	22,417	2,298	2,342	62	2,819	7,213	229	3,294	4,046	114
24. University of Rochester	N.Y.	21,689	———	5,061	———	884	11,140	———	233	4,255	116
25. Purdue University	Ind.	20,704	5,625	1,682	100	2,222	5,121	260	711	4,585	398
26. Case Western Reserve University	Ohio	20,431	———	992	———	2,523	13,829	110	803	2,108	66
27. University of California—San Francisco	Calif.	19,852	———	723	———	324	18,631	———	113	61	———
28. Yeshiva University	N.Y.	19,715	———	135	———	757	15,992	75	———	2,506	250
29. University of Southern California	Calif.	18,964	1	247	3	1,785	12,348	62	1,506	2,397	615
30. Pennsylvania State University	Pa.	18,807	6,389	517	15	992	5,042	845	1,429	3,188	410
31. University of Florida	Fla.	18,492	3,395	445	———	1,850	8,413	329	487	2,663	910
32. University of Pittsburgh	Pa.	18,253	5	469	———	1,150	12,469	212	664	2,555	729
33. Michigan State University	Mich.	18,155	5,042	2,162	———	382	5,729	220	47	4,271	302
34. University of North Carolina—Chapel Hill	N.C.	18,010	———	462	———	1,186	13,540	53	79	2,150	540
35. University of Utah	Utah	17,507	———	1,138	4	2,898	9,933	864	160	2,113	397
36. California Institute of Technology	Calif.	17,379	———	2,719	———	2,496	4,808	167	3,166	4,023	———
37. Princeton University	N.J.	16,546	———	2,676	19	3,063	2,937	———	3,933	3,896	22
38. University of Texas—Austin	Tex.	16,281	———	770	———	5,272	4,956	105	1,316	3,709	153
39. Northwestern University	Ill.	15,495	2	240	———	1,488	8,473	20	1,038	3,998	236
40. University of Miami	Fla.	15,374	———	330	89	2,367	7,701	505	375	3,859	148

13. University of Chicago	Ill.	36,637	——	5,017	125	1,610	20,702	75	2,807	6,230	71
14. Cornell University	N.Y.	35,057	5,955	1,767	——	3,201	15,096	177	1,270	7,417	174
15. University of Pennsylvania	Pa.	32,885	2	1,723	——	2,639	22,488	52	259	4,891	831
16. New York University	N.Y.	30,616	25	2,137	37	2,434	22,484	64	701	2,182	552
17. Johns Hopkins University	Md.	29,901	29	957	52	2,367	23,430	65	486	2,505	10
18. Yale University	Conn.	29,054	——	3,515	——	1,631	18,736	1	694	4,476	1
19. Ohio State University	Ohio	25,297	5,998	831	——	3,337	9,661	466	763	3,237	1,004
20. Duke University	N.C.	24,167	2	1,005	15	3,283	17,349	19	149	2,329	16
21. Washington University	Mo.	22,956	——	353	5	1,877	18,394	——	686	1,641	——
22. University of Colorado	Colo.	22,778	——	1,108	483	1,832	12,756	95	1,504	4,986	14
23. University of Maryland	Md.	22,417	2,298	2,342	62	2,819	7,213	229	3,294	4,046	114
24. University of Rochester	N.Y.	21,689	——	5,061	——	884	11,140	——	233	4,255	116
25. Purdue University	Ind.	20,704	5,825	1,682	100	2,222	5,121	260	711	4,585	398
26. Case Western Reserve University	Ohio	20,431	——	992	——	2,523	13,829	110	803	2,108	66
27. University of California—San Francisco	Calif.	19,852	——	723	——	324	18,631	——	113	61	——
28. Yeshiva University	N.Y.	19,715	——	136	——	757	15,992	75	——	2,506	250
29. University of Southern California	Calif.	18,964	1	247	3	1,785	12,348	62	1,506	2,397	615
30. Pennsylvania State University	Pa.	18,807	6,369	517	15	992	5,042	845	1,429	3,188	410
31. University of Florida	Fla.	18,492	3,395	445	——	1,850	8,413	329	487	2,663	910
32. University of Pittsburgh	Pa.	18,253	5	469	——	1,150	12,469	212	664	2,555	729
33. Michigan State University	Mich.	18,155	5,042	2,162	——	382	5,729	220	47	4,271	302
34. University of North Carolina—Chapel Hill	N.C.	18,010	——	462	——	1,186	13,540	53	79	2,150	540
35. University of Utah	Utah	17,507	——	1,138	4	2,898	9,933	864	160	2,113	397
36. California Institute of Technology	Calif.	17,379	——	2,719	——	2,496	4,808	167	3,166	4,023	——
37. Princeton University	N.J.	16,546	——	2,676	19	3,063	2,937	——	3,933	3,896	22
38. University of Texas—Austin	Tex.	16,281	——	770	——	5,272	4,956	105	1,316	3,709	153
39. Northwestern University	Ill.	15,495	2	240	——	1,488	8,473	20	1,038	3,998	236
40. University of Miami	Fla	15,374	——	330	89	2,367	7,701	506	375	3,859	148
41. Texas A&M University	Tex.	15,311	9,155	1,123	——	1,880	867	167	659	1,460	——
42. University of Iowa	Iowa	14,822	11	95	——	1,086	9,651	88	1,904	1,841	146
43. University of Georgia	Ga.	14,687	6,058	649	70	459	2,797	252	25	4,366	11
44. North Carolina State University—Raleigh	N.C.	14,339	7,785	506	14	946	2,243	225	752	1,474	394
45. University of Missouri—Columbia	Mo.	14,116	5,037	130	5	1,145	5,688	167	173	1,743	28
46. University of California—Davis	Calif.	13,585	111	2,572	——	242	7,979	181	586	1,878	36
47. University of Hawaii	Hawaii	13,545	1,123	555	107	2,169	4,164	129	1,103	4,195	——
48. Colorado State University	Colo.	13,077	2,267	284	98	1,061	2,343	840	482	5,270	432
49. University of Tennessee—Knoxville	Tenn.	12,631	5,592	1,837	——	1,314	1,917	114	462	1,395	——
50. University of Kentucky	Ky.	12,608	6,269	93	123	856	3,765	211	279	969	43
51. Oregon State University	Oreg.	12,511	2,400	600	——	1,292	2,518	642	172	4,560	327
52. Baylor College of Medicine	Tex.	12,452	——	21	——	——	11,989	——	357	——	85
53. University of Arizona	Ariz.	11,951	1,704	425	6	2,614	3,254	198	1,552	2,090	108
54. Rutgers, The State University	N.J.	11,878	2,066	124	——	401	6,665	241	129	2,019	233
55. Vanderbilt University	Tenn.	11,822	——	201	——	404	9,482	156	76	1,503	——
56. University of Kansas	Kans.	11,382	1	453	——	623	7,933	124	515	1,563	170
57. University of Oregon	Oreg.	11,256	6	397	——	816	4,377	10	277	4,920	453
58. Tulane University	La.	10,989	——	77	——	247	9,584	23	48	908	102
59. Boston University	Mass.	10,769	——	31	——	491	8,705	——	130	1,277	135
60. Indiana University—Bloomington	Ind.	10,724	9	272	——	766	4,147	22	494	4,369	645
61. Louisiana State University—Baton Rouge	La.	10,472	4,028	217	——	784	725	144	615	3,939	20
62. SUNY State University—Buffalo	N.Y.	10,188	——	204	——	366	8,229	98	157	1,031	103
63. University of Virginia	Va.	10,071	6	392	——	1,162	6,001	96	939	1,475	——
64. Woods Hole Oceanographic Institution	Mass.	10,033	——	634	——	5,444	92	394	25	3,415	29
65. Emory University	Ga.	9,857	——	76	——	163	8,735	——	345	508	30
66. CUNY—Mt. Sinai School of Medicine	N.Y.	9,735	——	35	——	65	9,496	——	——	139	——
67. George Washington University	D.C.	9,611	——	10	——	1,640	5,504	47	1,500	467	443
68. Florida State University	Fla.	9,434	——	1,180	29	1,649	3,329	——	133	2,917	197
69. University of Alabama—Birmingham	Ala.	9,229	——	2	——	104	8,814	——	——	309	——
70. Iowa State University of Science and Technology	Iowa	9,015	4,729	55	——	604	2,030	459	37	967	134
71. West Virginia University	W. Va.	8,773	2,977	1	——	340	2,784	691	297	1,655	28
72. Temple University	Pa.	8,772	——	106	——	132	7,472	——	221	674	167
73. University of Arkansas	Ark.	8,514	4,196	155	75	——	3,099	139	——	850	——
74. University of Cincinnati	Ohio	8,447	——	184	——	1,599	5,907	57	202	498	——
75. Virginia Polytechnic Institute	Va.	8,248	4,910	185	——	199	653	528	281	1,492	
76. University of Connecticut	Conn.	8,030	1,107	92	50	425	4,625	220	393	1,118	——
77. New Mexico State University	N. Mex.	7,900	1,653	——	30	2,515	503	418	2,267	476	38
78. Oklahoma State University	Okla.	7,687	3,679	42	——	962	1,097	190	729	980	8
79. Syracuse University	N.Y.	7,536	17	208	——	1,228	3,290	144	446	2,052	151
80. Brown University	R.I.	7,433	——	633	——	1,214	3,293	33	269	1,991	——
81. Kansas State University	Kans.	7,324	3,078	434	——	600	1,569	215	54	1,189	185
82. University of Massachusetts	Mass.	7,254	2,002	225	——	473	2,223	308	418	1,605	——
83. Carnegie Mellon University	Pa.	7,222	——	1,623	——	2,440	903	127	259	1,702	168
84. Mississippi State University	Miss.	7,205	5,725	——	——	397	170	122	394	200	197
85. Illinois Institute of Technology	Ill.	7,124	——	149	——	1,950	3,319	34	159	1,513	——

Table C-7.—Federal obligations for academic science to 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970 (Continued)

Instituion	State	Total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other[a]
86. University of Alaska	Alaska	7,075	861	271	169	2,090	619	408	302	2,287	68
87. Auburn University	Ala.	7,045	5,408	19	——	262	414	194	486	262	——
88. Wayne State University	Mich.	7,020	——	140	——	413	4,884	——	66	1,162	355
89. Brandeis University	Mass.	6,860	——	276	——	413	3,181	——	——	2,952	38
90. University of Oklahoma	Okla.	6,799	——	99	43	607	3,994	34	106	1,569	347
91. Georgia Institute of Technology	Ga.	6,767	10	344	5	3,289	698	201	948	1,164	108
92. University of Texas—Southwestern Medical School	Tex.	6,740	——	44	——	——	6,513	——	106	77	——
93. SUNY State University—Stony Brook	N.Y.	6,667	——	861	——	51	948	——	414	4,393	——
94. Rice University	Tex.	6,646	——	771	——	795	1,704	——	1,948	1,428	——
95. Tufts University	Mass.	6,275	——	390	——	393	4,532	——	60	554	346
96. Clemson University	S.C.	6,271	4,278	46	——	——	459	184	130	1,174	——
97. Washington State University	Wash.	6,153	2,767	324	——	241	1,656	301	19	820	25
98. University of Illinois Medical Center	Ill.	6,138	——	——	——	——	6,083	——	——	55	——
99. Rensselaer Polytechnic Institute	N.Y.	6,137	——	1,142	35	1,279	522	1,016	818	1,299	26
99. University of Texas—M.D. Anderson Hospital and Tumor Institute[c]	Tex.	6,137	——	65	——	70	5,748	——	135	119	——

[a]Includes Agency for International Development, Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

[b]Main university only.

[c]Boldface numbers indicate same amount of Federal obligations received for this particular rank.

SOURCE: National Science Foundation (CASE).

Table C-8.—Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970

[Dollars in thousands]

Institution (in order of R&D obligations)	State	Amount	Percent of U.S. total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other[a]
Total for 100 universities and colleges		$1,255,024	85.72	$48,156	$93,367	$1,784	$233,880	$524,899	$19,859	$115,256	$190,752	$27,071
1. Massachusetts Institute of Technology	Mass.	92,309	6.30	———	7,563	109	44,086	7,477	656	26,013	5,664	741
2. Stanford University	Calif.	39,086	2.67	———	662	10	10,928	15,254	234	4,012	7,873	113
3. Harvard University	Mass.	37,546	2.56	———	1,785	174	2,998	20,562	55	6,002	5,128	842
4. University of Michigan	Mich.	36,558	2.50	46	2,458	———	7,710	13,483	250	5,505	5,277	1,829
5. University of California—Los Angeles	Calif.	35,206	2.40	———	4,496	5	6,218	16,873	328	2,439	3,903	946
6. University of California—San Diego	Calif.	34,953	2.39	———	2,027	49	10,663	7,731	———	3,463	11,020	———
7. Columbia University[b]	N.Y.	34,046	2.33	20	4,639	46	7,274	13,840	120	1,866	5,819	422
8. University of Wisconsin—Madison	Wis.	32,815	2.24	1,599	2,983	———	1,010	15,321	340	1,603	4,803	5,156
9. University of Illinois—Urbana	Ill.	30,446	2.08	1,696	3,809	———	12,878	5,287	408	782	5,395	191
10. University of Washington	Wash.	29,687	2.03	207	2,390	———	2,800	17,313	572	519	5,738	148
11. University of California—Berkeley	Calif.	28,433	1.94	561	556	———	4,875	10,729	628	6,695	3,564	825
12. University of Chicago	Ill.	26,467	1.81	———	4,708	125	1,610	11,823	75	2,807	5,248	71
13. University of Minnesota	Minn.	24,719	1.69	1,675	1,658	———	2,508	13,754	828	1,476	2,266	554
14. Cornell University	N.Y.	23,787	1.62	1,895	1,653	———	3,201	9,444	177	1,270	5,973	174
15. University of Pennsylvania	Pa.	22,134	1.51	———	1,667	———	2,639	14,137	52	259	2,549	831
16. Johns Hopkins University	Md.	21,565	1.47	28	953	32	2,366	15,623	65	486	2,002	10
17. New York University	N.Y.	21,097	1.44	25	1,658	37	2,434	14,368	64	701	1,258	552
18. Yale University	Conn.	20,120	1.37	———	3,306	———	1,631	11,271	1	694	3,216	1
19. University of Maryland	Md.	16,549	1.13	943	2,158	———	2,818	4,556	229	3,190	2,541	114
20. Duke University	N.C.	16,166	1.10	2	797	15	3,283	10,083	19	149	1,802	16
21. Ohio State University	Ohio	16,159	1.10	1,851	758	———	3,336	6,072	466	667	2,005	1,004
22. University of Rochester	N.Y.	15,951	1.09	———	4,603	———	884	7,165	———	233	2,950	116
23. University of Colorado	Colo.	15,809	1.08	———	880	458	1,832	7,455	95	1,504	3,571	14
24. Washington University	Mo.	15,170	1.04	———	352	———	1,877	11,135	———	686	1,120	———
25. California Institute of Technology	Calif.	15,027	1.03	———	2,558	———	2,496	3,729	167	3,166	2,911	———
26. Princeton University	N.J.	14,487	.99	———	2,631	19	3,063	2,173	———	3,933	2,646	22
27. Case Western Reserve University	Ohio	13,743	.94	———	991	———	2,523	7,949	110	696	1,408	66
28. University of California—San Francisco	Calif.	13,628	.93	———	659	———	324	12,532	———	113	———	———
29. Yeshiva University	N.Y.	13,567	.93	———	135	———	757	10,603	75	———	1,747	250
30. University of Utah	Utah	13,287	.91	———	1,057	4	2,898	6,446	864	160	1,461	397
31. University of Texas—Austin	Tex.	12,696	.87	———	695	———	5,272	2,743	105	1,316	2,412	153
32. University of Miami	Fla.	12,528	.86	———	319	86	2,367	5,441	505	375	3,287	148
33. University of Southern California	Calif	12,466	.85	———	247	3	1,785	7,356	57	912	1,491	615
34. Purdue University	Ind.	12,290	.84	2,700	1,589	———	2,222	2,334	260	711	2,076	398
35. University of Pittsburgh	Pa.	12,036	.82	———	453	———	1,150	7,211	212	597	1,684	729
36. University of Florida	Fla.	11,349	.78	1,277	388	———	1,850	4,820	329	487	1,268	910
37. Pennsylvania State University	Pa.	11,078	.76	2,014	461	———	992	3,156	845	1,429	1,771	410
38. University of North Carolina—Chapel Hill	N.C.	10,933	.75	———	462	———	1,186	7,329	44	79	1,293	540
39. University of California—Davis	Calif.	10,585	.72	73	2,345	———	242	5,635	181	586	1,487	36

12. University of Chicago	Ill.	26,467	1.81	——	4,708	125	1,610	11,823	75	2,807	5,248	71
13. University of Minnesota	Minn.	24,719	1.69	1,675	1,658	——	2,508	13,754	828	1,476	2,266	554
14. Cornell University	N.Y.	23,787	1.62	1,895	1,653	——	3,201	9,444	177	1,270	5,973	174
15. University of Pennsylvania	Pa.	22,134	1.51	——	1,667	——	2,639	14,137	52	259	2,549	831
16. Johns Hopkins University	Md.	21,565	1.47	28	953	32	2,366	15,623	65	486	2,002	10
17. New York University	N.Y.	21,097	1.44	25	1,658	37	2,434	14,368	64	701	1,258	552
18. Yale University	Conn.	20,120	1.37	——	3,306	——	1,631	11,271	1	694	3,216	1
19. University of Maryland	Md.	16,549	1.13	943	2,158	——	2,818	4,556	229	3,190	2,541	114
20. Duke University	N.C.	16,166	1.10	2	797	15	3,283	10,083	19	149	1,802	16
21. Ohio State University	Ohio	16,159	1.10	1,851	758	——	3,336	6,072	466	667	2,005	1,004
22. University of Rochester	N.Y.	15,951	1.09	——	4,603	——	884	7,165	——	233	2,950	116
23. University of Colorado	Colo.	15,809	1.08	——	880	458	1,832	7,455	95	1,504	3,571	14
24. Washington University	Mo.	15,170	1.04	——	352	——	1,877	11,135	——	686	1,120	——
25. California Institute of Technology	Calif.	15,027	1.03	——	2,558	——	2,496	3,729	167	3,166	2,911	——
26. Princeton University	N.J.	14,487	.99	——	2,631	19	3,063	2,173	——	3,933	2,646	22
27. Case Western Reserve University	Ohio	13,743	.94	——	991	——	2,523	7,949	110	696	1,408	66
28. University of California–San Francisco	Calif.	13,628	.93	——	659	——	324	12,532	——	113	——	——
29. Yeshiva University	N.Y.	13,567	.93	——	135	——	757	10,603	75	——	1,747	250
30. University of Utah	Utah	13,287	.91	——	1,057	4	2,898	6,446	864	160	1,461	397
31. University of Texas–Austin	Tex.	12,696	.87	——	695	——	5,272	2,743	105	1,316	2,412	153
32. University of Miami	Fla.	12,528	.86	——	319	86	2,367	5,441	505	375	3,287	148
33. University of Southern California	Calif	12,466	.85	——	247	3	1,785	7,356	57	912	1,491	615
34. Purdue University	Ind.	12,290	.84	2,700	1,589	——	2,222	2,334	260	711	2,076	398
35. University of Pittsburgh	Pa.	12,036	.82	——	453	——	1,150	7,211	212	597	1,684	729
36. University of Florida	Fla.	11,349	.78	1,277	388	——	1,850	4,820	329	487	1,288	910
37. Pennsylvania State University	Pa.	11,078	.76	2,014	461	——	992	3,156	845	1,429	1,771	410
38. University of North Carolina–Chapel Hill	N.C.	10,933	.75	——	462	——	1,186	7,329	44	79	1,293	540
39. University of California–Davis	Calif.	10,585	.72	73	2,345	——	242	5,635	181	586	1,487	36
40. Michigan State University	Mich.	10,530	.72	1,598	1,957	——	382	3,061	220	47	2,973	302
41. University of Hawaii	Hawaii	10,498	.72	557	551	90	2,169	2,692	129	1,103	3,207	——
42. Northwestern University	Ill.	10,217	.70	2	220	——	1,488	4,597	20	1,038	2,616	236
43. University of Iowa	Iowa	9,985	.68	11	94	——	1,066	5,794	88	1,904	862	146
44. Woods Hole Oceanographic Institute	Mass.	9,873	.67	——	634	——	5,444	85	394	25	3,262	29
45. Colorado State University	Colo.	9,560	.65	1,042	269	95	1,061	1,488	789	482	3,902	432
46. Baylor College of Medicine	Tex.	9,319	.64	——	21	——	——	8,856	——	357	——	85
47. Oregon State University	Oreg.	8,471	.58	1,167	468	——	1,292	1,722	629	172	2,694	327
48. University of Arizona	Ariz.	8,227	.56	799	360	6	2,613	1,390	198	1,552	1,201	108
49. George Washington University	D.C.	7,906	.54	——	10	——	1,639	4,264	47	1,298	205	443
50. Vanderbilt University	Tenn.	7,771	.53	——	124	——	404	6,017	156	76	994	——
51. Texas A&M University	Tex.	7,560	.52	2,629	1,005	——	1,880	538	167	659	682	——
52. Rutgers, The State University	N.J.	7,527	.51	825	109	——	401	4,414	241	129	1,175	233
53. Tulane University	La.	7,201	.49	——	77	——	247	6,074	23	48	630	102
54. CUNY–Mt. Sinai School of Medicine	N.Y.	7,128	.49	——	35	——	65	6,889	——	——	139	——
55. University of Kentucky	Ky.	7,116	.49	2,508	89	123	856	2,331	211	279	676	43
56. North Caroline State University–Raleigh	N.C.	7,056	.48	2,472	339	14	946	1,639	225	621	406	394
57. University of Kansas	Kans.	7,010	.48	——	341	——	623	4,144	124	515	1,093	170
58. University of Georgia	Ga.	6,911	.47	2,079	630	70	459	1,345	153	25	2,139	11
59. University of Missouri–Columbia	Mo.	6,900	.47	1,695	39	5	1,145	2,812	149	173	854	28
60. SUNY State University–Buffalo	N.Y.	6,844	.47	——	204	——	366	5,209	98	157	707	103
61. Indiana University–Bloomington	Ind.	6,789	.46	——	260	——	766	2,552	22	333	2,211	645
62. University of Oregon	Oreg.	6,782	.46	6	397	——	816	2,047	10	277	2,776	453
63. University of Alabama–Birmingham	Ala.	6,677	.46	——	——	——	104	6,523	——	——	50	——
64. University of Virginia	Va.	6,516	.45	6	305	——	1,162	3,200	96	939	808	——
65. New Mexico State University	N. Mex.	6,321	.43	715	——	30	2,515	345	418	2,101	159	38
66. Emory University	Ga.	6,295	.43	——	76	——	163	5,408	——	345	273	30
67. Carnegie Mellon University	Pa.	6,216	.42	——	1,623	——	2,440	541	127	259	1,058	168
68. University of Tennessee–Knoxville	Tenn.	6,045	.41	1,644	1,840	——	1,314	620	114	462	351	——
69. University of Alaska	Alaska	5,935	.41	516	271	——	2,090	456	408	302	1,824	68
70. Georgia Institute of Technology	Ga.	5,793	.40	10	250	5	3,289	369	201	948	613	108
71. Brown University	R.I.	5,756	.39	——	633	——	1,214	2,273	33	289	1,334	——
72. Florida State University	Fla.	5,709	.39	——	1,166	29	1,649	1,154	——	133	1,381	197
73. Temple University	Pa.	5,610	.38	——	106	——	132	4,704	——	221	280	167
74. Illinois Institute of Technology	Ill.	5,565	.38	——	149	——	1,950	2,993	34	159	280	——
75. SUNY State University–Stonybrook	N.Y.	5,418	.37	——	849	——	51	649	——	354	3,515	——

Table C-8.—Federal obligations for research and development to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970 (Continued)

Institution (in order of R & D obligations)	State	Amount	Percent of U.S. total	Agriculture	AEC	Commerce	DOD	HEW	Interior	NASA	NSF	Other[a]
76. Louisiana State University—Baton Rouge	La.	5,404	.37	1,241	200	——	784	439	144	615	1,961	20
77. Boston University	Mass.	5,282	.36	——	31	——	491	3,804	——	130	691	135
78. Rice University	Tex.	5,171	.35	——	752	——	795	672	——	1,948	1,004	——
79. University of Cincinnati	Ohio	5,145	.35	——	165	——	1,599	2,981	57	202	141	——
80. University of Texas — M.D. Anderson Hospital and Tumor Institute	Tex.	5,124	.35	——	65	——	70	4,735	——	135	119	——
81. Syracuse University	N.Y.	5,120	.35	17	208	——	1,228	1,992	144	446	934	151
82. Rensselaer Polytechnic Institute	N.Y.	4,934	.34	——	990	——	1,279	213	1,016	818	592	26
83. Iowa State University of Science and Technology	Iowa	4,830	.33	1,838	31	——	604	1,337	459	37	390	134
84. University of Massachusetts	Mass.	4,807	.33	784	225	——	473	1,441	308	418	1,158	——
85. University of New Mexico	N. Mex.	4,726	.32	——	——	20	1,845	1,410	4	574	233	640
86. University of Connecticut	Conn.	4,707	.32	354	92	50	425	2,789	220	94	683	——
87. Rockefeller University	N.Y.	4,640	.32	——	202	——	55	4,166	——	——	217	——
88. Utah State University	Utah	4,501	.31	687	69	——	1,171	329	783	88	871	503
89. Brandeis University	Mass.	4,476	.31	——	276	——	413	1,589	——	——	2,160	38
90. Tufts University	Mass.	4,364	.30	——	390	——	393	2,826	——	60	339	346
91. University of Texas—Southwestern Medical School	Tex.	4,342	.30	——	44	——	——	4,115	——	106	77	——
92. Wayne State University	Mich.	4,261	.29	——	140	——	413	2,688	——	66	599	355
93. Georgetown University	D.C.	4,103	.28	——	52	——	578	2,686	21	25	649	92
94. Virginia Polytechnic Institute	Va.	4,082	.28	1,624	150	——	199	408	528	281	892	——
95. University of Arkansas	Ark.	4,080	.28	1,368	155	75	——	2,040	139	——	303	——
96. West Virginia University	W. Va.	3,969	.27	1,038	——	——	340	1,409	691	228	235	28
97. University of Dayton	Ohio	3,956	.27	——	9	——	3,830	87	——	——	30	——
98. Oklahoma State University	Okla.	3,953	.27	1,234	42	——	962	609	190	700	208	8
99. Kansas State University	Kans.	3,831	.26	1,078	303	——	600	736	215	54	660	185
100. University of Texas—Dallas	Tex.	3,711	.25	——	66	——	128	——	——	2,888	629	——

[a]Includes Agency for International Development, Office of Economic Opportunity, the Departments of Housing and Urban Development, Labor, and Transportation.

[b]Main university only.

SOURCE: National Science Foundation (CASE).

Table C-9.—Research and development and R&D plant obligations as a percent of total Federal obligations for each of the 100 universities and colleges receiving the largest amounts, fiscal year 1970

Institution (in order of R&D obligations)	State	R&D obligations as a percent of institution's total obligations	R&D plant obligations as a percent of institution's total obligations
1. Mass. Institute of Tech.	Mass.	92.15	1.78
2. Stanford Univ.	Calif.	73.09	1.81
3. Harvard Univ.	Mass.	67.57	.83
4. Univ. of Mich.	Mich.	61.90	1.02
5. Univ. of Calif.—Los Angeles	Calif.	66.91	2.73
6. Univ. of Calif.—San Diego	Calif.	89.62	.08
7. Columbia Univ.[a]	N.Y.	68.68	1.20
8. Univ. of Wis.—Madison	Wis.	63.42	1.53
9. Univ. of Ill.—Urbana	Ill.	70.48	1.20
10. Univ. of Wash	Wash.	50.34	.24
11. Univ. of Calif.—Berkeley	Calif.	64.46	.06
12. Univ. of Chicago	Ill.	66.84	.78
13. Univ. of Minn.	Minn.	53.13	.42
14. Cornell Univ.	N.Y.	62.64	.15
15. Univ. of Pa.	Pa.	59.70	4.79
16. Johns Hopkins Univ.	Md.	59.61	.21
17. N.Y. Univ.	N.Y.	55.84	1.46
18. Yale Univ.	Conn.	59.34	.76
19. Univ. of Md.	Md.	59.43	.90
20. Duke Univ.	N.C.	58.25	.90
21. Ohio State Univ.	Ohio	34.69	.12
22. Univ. of Rochester	N.Y.	63.32	3.40
23. Univ. of Colo.	Colo.	49.22	.67
24. Wash. Univ.	Mo.	56.39	.35
25. Calif. Institute of Tech.	Calif.	85.70	1.09
26. Princeton Univ.	N.J.	81.72	.83
27. Case Western Reserve Univ.	Ohio	56.41	.16
28. Univ. of Calif.—San Francisco	Calif.	50.88	.21
29. Yeshiva Univ.	N.Y.	59.57	.13
30. Univ. of Utah	Utah	53.21	.71
31. Univ. of Texas—Austin	Tex.	67.14	1.40
32. Univ. of Miami	Fla.	53.70	.21
33. Univ. of Southern Calif.	Calif.	51.19	.70
34. Purdue Univ.	Ind.	52.32	.57
34. Univ. of Pittsburgh	Pa.	46.98	(b)
36. Univ. of Fla.	Fla.	27.34	1.25
37. Pa. State Univ.	Pa.	50.18	.32
38. Univ. of N.C.—Chapel Hill	N.C.	32.77	.05
39. Univ. of Calif.—Davis	Calif.	69.35	1.49
40. Mich. State Univ.	Mich.	45.08	1.20
41. Univ. of Hawaii	Hawaii	56.19	.41
42. Northwestern Univ.	Ill.	55.36	.14
43. Univ. of Iowa	Iowa	48.92	.34
44. Woods Hole Oceanographic Inst.	Mass.	98.41	.31
45. Colo. State Univ.	Colo.	62.23	2.97
46. Baylor Col. of Medicine	Tex.	65.93	——
47. Oreg. State Univ.	Oreg.	60.75	1.08
48. Univ. of Ariz.	Ariz.	48.96	.11
49. George Washington Univ.	D.C.	30.00	.10
50. Vanderbilt Univ.	Tenn.	50.72	.17

Table C-9.—Research and development and R&D plant obligations as a percent of total Federal obligations for each of the 100 universities and colleges receiving the largest amounts, fiscal year 1970 (Continued)

Institution (in order of R&D obligations)	State	R&D obligations as a percent of institution's total obligations	R&D plant obligations as a percent of institution's total obligations
51. Texas A&M Univ.	Tex.	46.42	.89
52. Rutgers, The State Univ.	N.J.	51.16	.20
53. Tulane Univ.	La.	53.56	——
54. CUNY Mt. Sinai School of Medicine	N.Y.	68.27	——
55. Univ. of Ky.—Knoxville	Ky.	42.20	.40
56. N.C. State Univ.—Raleigh	N.C.	46.17	.5
57. Univ. of Kans.	Kans.	49.56	.18
58. Univ. of Ga.	Ga.	41.08	7.10
59. Univ. of Mo.	Mo.	30.38	.52
60. SUNY State Univ.—Buffalo	N.Y.	44.98	——
61. Ind. Univ.—Bloomington	Ind.	46.25	7.51
62. Univ. of Oreg.	Oreg.	48.04	7.11
63. Univ. of Alabama—Birmingham	Ala.	40.67	——
64. Univ. of Virginia	Va.	47.77	.28
65. N. Mex. State Univ.	N. Mex.	66.52	.37
66. Emory Univ.	Ga.	44.61	——
67. Carnegie Mellon Univ.	Pa.	81.23	——
68. Univ. of Tenn.—Knoxville	Tenn.	41.88	5.16
69. Univ. of Alaska	Alaska	77.99	1.45
70. Ga. Institute of Technology	Ga.	77.88	.32
71. Brown Univ.	R.I.	70.95	——
72. Fla. State Univ.	Fla.	46.41	.28
73. Temple Univ.	Pa.	35.01	.01
74. Ill. Inst. of Tech.	Ill.	75.12	.27
75. SUNY State Univ.—Stonybrook	N.Y.	69.34	.4
76. La. State Univ.—Baton Rouge	La.	46.39	2.51
77. Boston Univ.	Mass.	33.51	.82
78. Rice Univ.	Tex.	74.06	.57
79. Univ. of Cincinnati	Ohio	10.90	——
80. Univ. of Tex.—M. D. Anderson Hosp. & Tumor Inst.	Tex.	81.05	——
81. Syracuse Univ.	N.Y.	57.23	.30
82. Rensselaer Polytechnic Inst.	N.Y.	75.67	1.30
83. Iowa State Univ.—Sci & Tech	Iowa	44.06	——
84. Univ. of Mass.	Mass.	47.41	.36
85. Univ. of N. Mex.	N. Mex.	53.57	3.40
86. Univ. of Conn.	Conn.	44.28	.55
87. Rockefeller Univ.	N.Y.	83.69	——
88. Utah State Univ.	Utah	64.69	——
89. Brandeis Univ.	Mass.	60.32	——
90. Tufts Univ.	Mass.	22.94	.12
91. Univ. of Tex.—Southwestern Medical Sch.	Tex.	19.96	——
92. Wayne State Univ.	Mich.	36.94	——
93. Georgetown Univ.	D.C.	43.57	——
94. Va. Polytechnic Inst.	Va.	45.47	.40
95. Univ. of Ark.	Ark.	33.71	.40
96. W. Va. Univ.	W. Va.	33.09	7.87
97. Univ. of Dayton	Ohio	83.37	——
98. Okla. State Univ.	Okla.	43.55	.68
99. Kans. State Univ.	Kans.	43.14	1.40
100. Univ. of Tex.—Dallas	Tex.	100.00	——

[a] Main University only.

[b] Less than .005 percent.

SOURCE: National Science Foundation (CASE).

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Table C-10.—Federal obligations for R&D plant to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970

[Dollars in thousands]

Institution (in order of R&D plant obligations)	State	Amount	Percent of U.S. total	Agriculture	AEC	Commerce	HEW	NSF
Total for 100 universities and colleges		$26,844	97.36	$980	$7,015	$18	$276	$18,555
1. Massachusetts Institute of Technology	Mass.	1,784	6.47	——	1,586	——	——	198
2. University of Pennsylvania	Pa.	1,776	6.44	——	56	——	1	1,719
3. University of California—Los Angeles	Calif.	1,439	5.22	——	437	——	2	1,000
4. University of Georgia	Ga.	1,195	4.33	31	——	——	——	1,164
5. Indiana University—Bloomington	Ind.	1,102	4.00	——	——	——	——	1,102
6. University of Oregon	Oreg.	1,003	3.64	——	——	——	14	989
7. Stanford University	Calif.	966	3.50	——	21	——	35	910
8. West Virginia University	W. Va.	944	3.42	——	——	——	——	944
9. University of Rochester	N.Y.	857	3.11	——	218	——	——	639
10. University of Wisconsin—Madison	Wis.	794	2.88	——	143	——	12	639
11. SUNY State University—Albany	N.Y.	760	2.72	——	——	——	——	750
12. University of Tennessee	Tenn.	745	2.70	75	119	——	5	546
13. University of Michigan	Mich.	601	2.18	——	452	——	——	149
14. Columbia University[a]	N.Y.	593	2.15	——	340	——	31	222
15. New York University	N.Y.	551	2.00	——	451	——	6	94
16. University of Illinois—Urbana	Ill.	519	1.88	41	352	——	4	122
17. University of Florida	Fla.	517	1.88	34	——	——	——	483
18. Drexel University	Pa.	498	1.81	——	——	——	——	498
19. University of Missouri—Rolla	Mo.	480	1.74	——	——	——	——	480
20. Colorado State University	Colo.	457	1.66	1	——	——	15	441
21. Bucknell University	Pa.	395	1.43	——	——	——	——	396
22. Harvard University	Mass.	349	1.27	——	203	——	——	146
23. University of Chicago	Ill.	310	1.12	——	278	——	2	30
24. University of New Mexico	N. Mex.	300	1.09	——	——	——	——	300
25. Clark University	Mass.	297	1.08	——	——	——	——	297
26. Louisiana State University—Baton Rouge	La.	292	1.06	42	——	——	——	250
27. Michigan State University	Mich.	280	1.02	45	197	——	16	22
28. University of Texas—Austin	Tex.	265	.96	——	——	——	——	265
29. Yale University	Conn.	259	.94	——	200	——	——	59
30. Ohio University[b]	Ohio	252	.91	——	172	——	——	80
30. University of Maryland[b]	Md.	252	.91	37	160	——	——	55
32. Duke University	N.C.	250	.91	——	201	——	——	49
33. University of California—Davis	Calif.	228	.83	——	193	——	——	35
34. University of Notre Dame	Ind.	227	.82	——	195	——	——	32
35. University of Rhode Island	R.I.	226	.82	7	——	——	——	219
36. Worcester Polytechnic Institute	Mass.	220	.80	——	——	——	——	220
37. University of Colorado	Colo.	216	.78	——	212	——	4	——
38. University of Minnesota	Minn.	194	.70	——	166	——	11	17
39. California Institute of Technology	Calif.	191	.69	——	129	——	——	62
40. University of Southern California	Calif.	178	.65	——	——	——	11	167
41. University of Utah	Utah	177	.64	——	76	——	——	101
42. North Carolina A&T State University	N.C.	175	.63	——	——	——	——	175
43. Dartmouth College	N.H.	166	.60	——	——	——	——	166
44. Oregon State University	Oreg.	151	.55	11	64	——	——	76
45. Institute of Paper Chemistry	Wis.	150	.54	——	——	——	——	150
46. Princeton University	N.J.	147	.53	——	34	——	——	113
47. Texas A&M University	Tex.	145	.53	66	79	——	——	——
48. University of Washington	Wash.	140	.51	——	26	——	——	114

13. University of Michigan	Mich.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14. Columbia University[a]	N.Y.	593	2.15	——	340	——	31	222
15. New York University	N.Y.	551	2.00	——	451	——	6	94
16. University of Illinois—Urbana	Ill.	519	1.88	41	352	——	4	122
17. University of Florida	Fla.	517	1.88	34	——	——	——	483
18. Drexel University	Pa.	498	1.81	——	——	——	——	498
19. University of Missouri—Rolla	Mo.	480	1.74	——	——	——	——	480
20. Colorado State University	Colo.	457	1.66	1	——	——	15	441
21. Bucknell University	Pa.	395	1.43	——	——	——	——	396
22. Harvard University	Mass.	349	1.27	——	203	——	——	146
23. University of Chicago	Ill.	310	1.12	——	278	——	2	30
24. University of New Mexico	N. Mex.	300	1.09	——	——	——	——	300
25. Clark University	Mass.	297	1.08	——	——	——	——	297
26. Louisiana State University—Baton Rouge	La.	292	1.06	42	——	——	——	250
27. Michigan State University	Mich.	280	1.02	45	197	——	16	22
28. University of Texas—Austin	Tex.	265	.96	——	——	——	——	265
29. Yale University	Conn.	259	.94	——	200	——	——	59
30. Ohio University[b]	Ohio	252	.91	——	172	——	——	80
30. University of Maryland[b]	Md.	252	.91	37	160	——	——	55
32. Duke University	N.C.	250	.91	——	201	——	——	49
33. University of California—Davis	Calif.	228	.83	——	193	——	——	35
34. University of Notre Dame	Ind.	227	.82	——	195	——	——	32
35. University of Rhode Island	R.I.	226	.82	7	——	——	——	219
36. Worcester Polytechnic Institute	Mass.	220	.80	——	——	——	——	220
37. University of Colorado	Colo.	216	.78	——	212	——	4	——
38. University of Minnesota	Minn.	194	.70	——	166	——	11	17
39. California Institute of Technology	Calif.	191	.69	——	129	——	——	62
40. University of Southern California	Calif.	178	.65	——	——	——	11	167
41. University of Utah	Utah	177	.64	——	76	——	——	101
42. North Carolina A&T State University	N.C.	175	.63	——	——	——	——	175
43. Dartmouth College	N.H.	166	.60	——	——	——	——	166
44. Oregon State University	Oreg.	151	.55	11	64	——	——	76
45. Institute of Paper Chemistry	Wis.	150	.54	——	——	——	——	150
46. Princeton University	N.J.	147	.53	——	34	——	——	113
47. Texas A&M University	Tex.	146	.53	66	79	——	——	——
48. University of Washington	Wash.	140	.51	——	26	——	——	114
49. Purdue University	Ind.	134	.49	56	——	——	——	78
50. Boston University	Mass.	130	.47	——	——	——	10	120
51. Kansas State University	Kans.	124	.45	35	77	——	——	12
52. University of Missouri—Columbia	Mo.	119	.43	——	——	——	8	111
53. University of Alaska	Alaska	110	.40	15	——	15	——	80
54. University of Illinois—Chicago Circle	Ill.	100	.36	——	——	——	——	100
55. Washington University	Mo.	93	.34	——	——	——	——	93
56. Rensselaer Polytechnic Institute	N.Y.	85	.31	——	80	——	——	5
57. University of Hawaii	Hawaii	77	.28	23	4	——	——	50
58. Johns Hopkins University	Md.	76	.28	——	4	——	——	72
59. Pennsylvania State University	Pa.	71	.26	69	——	——	2	——
60. University of Puerto Rico—Mayaguez	P.R.	70	.25	70	——	——	——	——
61. University of Iowa[b]	Iowa	69	.25	——	——	——	2	67
61. Southern Methodist University[b]	Tex.	69	.25	——	——	——	——	69
63. University of Kentucky	Ky.	67	.24	29	——	——	10	28
64. Oklahoma State University	Okla.	62	.22	27	——	——	——	35
65. University of Connecticut	Conn.	58	.21	15	——	——	3	40
66. Thomas More College	Ky.	57	.21	——	——	——	——	57
67. Cornell University	N.Y.	56	.20	47	9	——	——	——
68. University of California—San Francisco	Calif.	55	.20	——	55	——	——	——
69. Ohio State University	Ohio	54	.20	54	——	——	——	——
70. University of Arkansas	Ark.	49	.18	——	——	——	——	49
71. Wesleyan University[b]	Conn.	48	.17	——	——	——	——	48
71. University of Miami[b]	Fla.	48	.17	——	11	3	——	34
73. Claremont University Center	Calif.	47	.17	——	——	——	——	47
74. Clemson University	S.C.	46	.17	46	——	——	——	——
75. University of Houston	Tex.	43	.16	——	——	——	——	43
76. Rice University[b]	Tex.	40	.15	——	——	——	——	40
76. University of California—Riverside[b]	Calif.	40	.15	——	——	——	——	40
76. Case Western Reserve University[b]	Ohio	40	.15	——	——	——	——	40
79. University of Virginia	Va.	38	.14	——	——	——	——	38
80. University of Massachusetts	Mass.	37	.13	——	——	——	——	37

Table C-10.—Federal obligations for R&D plant to the 100 universities and colleges receiving the largest amounts, by agency, fiscal year 1970 (Continued)

Institution (in order of R & D obligations)	State	Amount	Percent of U.S. total	Agriculture	AEC	Commerce	HEW	NSF
81. Virginia Polytechnic Institute[b]	Va.	36	.13	——	——	——	——	36
81. North Dakota State University[b]	N.D.	36	.13	14	——	——	——	22
81. University of Idaho[b]	Idaho	36	.13	36	——	——	——	——
84. New Mexico State University[b]	N. Mex.	35	.13	——	——	——	——	35
84. Florida State University[b]	Fla.	35	.13	——	——	——	——	35
84. Albright College[b]	Pa.	35	.13	——	——	——	——	35
87. South Dakota State University	S.D.	33	.12	33	——	——	——	——
88. Lawrence University[b]	Wis.	32	.12	——	——	——	——	32
88. University of Oklahoma[b]	Okla.	32	.12	——	——	——	——	32
90. University of South Carolina[b]	S.C.	31	.11	——	——	——	——	31
90. Woods Hole Oceanographic Institute[b]	Mass.	31	.11	——	——	——	——	31
92. Bluefield State College[b]	W. Va.	30	.11	——	——	——	——	30
92. University of Alabama[b]	Ala.	30	.11	——	——	——	——	30
92. Yeshiva University[b]	N.Y.	30	.11	——	——	——	30	——
92. University of California—San Diego[b]	Calif.	30	.11	——	——	——	——	30
96. Rutgers, The State University	N.J.	29	.11	21	——	——	——	8
97. University of Vermont	Vt.	28	.10	——	——	——	——	28
98. Syracuse University[b]	N.Y.	27	.10	——	——	——	4	23
98. George Washington University[b]	D.C.	27	.10	——	——	——	27	——
100. University of Kansas	Kans.	26	.09	——	15	——	11	——

[a]Main University only.

[b]Boldface numbers indicate same amount of Federal obligations received for this particular rank.

SOURCE: National Science Foundation (CASE).

Table C-11.—Obligations by the Department of Health, Education, and Welfare to universities and colleges, by type of program and subdivision, fiscal year 1970

[Dollars in thousands]

Type of program	Total	Health activities			Office of Education	Other
		Total	National Institutes of Health	Other		
Total, all programs	$2,051,010	$1,340,004	$1,029,651	$310,353	$614,577	$96,429

90. University of South Carolina[b]	S.C.	31	.11	——	——	——	——	31
90. Woods Hole Oceanographic Institute[b]	Mass.	31	.11	——	——	——	——	31
92. Bluefield State College[b]	W. Va.	30	.11	——	——	——	——	30
92. University of Alabama[b]	Ala.	30	.11	——	——	——	——	30
92. Yeshiva University[b]	N.Y.	30	.11	——	——	——	30	——
92. University of California—San Diego[b]	Calif.	30	.11	——	——	——	——	30
96. Rutgers, The State University	N.J.	29	.11	21	——	——	——	8
97. University of Vermont	Vt.	28	.10	——	——	——	——	28
98. Syracuse University[b]	N.Y.	27	.10	——	——	——	4	23
98. George Washington University[b]	D.C.	27	.10	——	——	——	27	——
100. University of Kansas	Kans.	26	.09	——	15	——	11	——

[a]Main University only.

[b]Boldface numbers indicate same amount of Federal obligations received for this particular rank.

SOURCE: National Science Foundation (CASE).

Table C-11.—Obligations by the Department of Health, Education, and Welfare to universities and colleges, by type of program and subdivision, fiscal year 1970

[Dollars in thousands]

Type of program	Total	Health activities			Office of Education	Other
		Total	National Institutes of Health	Other		
Total, all programs	$2,051,010	$1,340,004	$1,029,651	$310,353	$614,577	$96,429
Academic science	1,017,049	877,590	692,116	185,474	88,137	51,322
Research and development	614,856	568,283	484,867	83,416	22,684	23,909
R&D plant	341	——	——	——	341	——
Other science activities	401,852	309,307	207,249	102,058	65,132	27,413
Nonscience activities	1,033,961	462,414	337,535	124,879	526,440	45,107

SOURCE: National Science Foundation (CASE).

Table C-12.—Obligations by the Department of Defense to universities and colleges, by type of program and subdivision, fiscal year 1970

[Dollars in thousands]

Type of program	Total	Army	Navy	Air Force	Other DOD
Total, all programs	$265,624	$67,500	$94,262	$102,669	$1,093
Academic science	265,486	67,500	94,262	102,669	1,054
Research and development	265,475	67,500	94,262	102,669	1,044
R&D plant	——	——	——	——	——
Other science	10	——	——	——	10
Nonscience activities	39	——	——	——	39

SOURCE: National Science Foundation (CASE).

TABLE C-13

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
ALABAMA										
ALA AGR AND MECH COL	762	26	0	0	0	634	35	6	61	0
ALA CHRISTIAN COL **	46	0	0	0	0	46	0	0	0	0
ALABAMA STATE UNIVERSITY	323	5	0	0	0	307	0	0	11	0
ALBERT P BREWER ST JR COL **	16	0	0	0	0	16	0	0	0	0
ALEXANDER CITY ST JR COL **	74	0	0	0	0	70	0	0	4	0
ATHENS COL	29	0	0	0	0	29	0	0	0	0
AUBURN UNIV	9,135	5,408	19	0	262	1,704	194	486	262	800
BIRMINGHAM-SOUTHERN COL	97	0	0	0	0	89	0	0	8	0
CALHOUN ST TECH JR COL **	32	0	0	0	0	32	0	0	0	0
DANIEL PAYNE COL	50	0	0	0	0	50	0	0	0	0
ENTERPRISE JR COL **	80	0	0	0	0	80	0	0	0	0
FAULKNER STATE JUNIOR COL **	56	0	0	0	0	56	0	0	0	0
FLORENCE STATE UNIVERSITY	288	0	0	0	0	288	0	0	0	0
G C WALLACE ST TEC JR COL **	11	0	0	0	0	11	0	0	0	0
GADSDEN STATE JR COLLEGE **	175	0	0	0	0	175	0	0	0	0
HUNTINGDON COL	196	0	0	0	0	196	0	0	0	0
JACKSONVILLE ST UNIV	268	0	0	0	0	268	0	0	0	0
JEFFERSON DAVIS COL **	30	0	0	0	0	30	0	0	0	0
JEFFERSON ST JR COL **	1,165	0	0	0	0	1,165	0	0	0	0
JUDSON COL	71	0	0	0	0	71	0	0	0	0
LARLEEN B WALLACE ST JR C **	22	0	0	0	0	22	0	0	0	0
LAWSON STATE JUNIOR COL **	159	0	0	0	0	159	0	0	0	0
LIVINGSTON UNIVERSITY	283	0	0	0	0	283	0	0	0	0
MILES COL	1,043	0	0	0	0	1,038	0	0	3	2
MOBILE COL	66	0	0	0	0	59	0	0	7	0
MOBILE ST JR COL**	170	0	0	0	0	170	0	0	0	0
NE ALABAMA STATE JR COLL **	63	0	0	0	0	63	0	0	0	0
NORTHWEST ALA ST JR COL **	37	0	0	0	0	37	0	0	0	0
OAKWOOD COL	148	0	0	0	0	123	0	25	0	0
PATRICK HENRY ST JR COL	23	0	0	0	0	23	0	0	0	0
SACRED HEART COL **	19	0	0	0	0	19	0	0	0	0
SAMFORD UNIV	134	0	0	0	0	134	0	0	0	0
SELMA UNIV	26	0	0	0	0	26	0	0	0	0
SNEAD STATE JUNIOR COL **	3	0	0	0	0	3	0	0	0	0
SOUTHERN UNION ST JR COL **	250	0	0	0	0	250	0	0	0	0
SPRING HILL COL	198	0	0	0	0	161	0	0	37	0
ST BERNARD COL	52	0	0	0	0	52	0	0	0	0
STILLMAN COL	730	0	0	0	0	707	0	0	23	0
TALLADEGA COL	829	0	0	0	0	810	0	19	0	0
TROY STATE UNIV	484	0	0	0	0	440	0	0	44	0
TUSKEGEE INST	4,723	235	66	0	0	3,651	0	24	108	639
U OF ALA IN BIRMINGHAM	16,418	0	2	0	104	16,003	0	0	309	0
U OF ALA IN HUNTSVILLE	866	0	0	0	351	47	0	449	19	0
U OF ALA IN TUSCALOOSA	3,681	0	24	0	224	2,631	8	301	493	0
UNIV OF MONTEVALLO	97	0	0	0	0	97	0	0	0	0
UNIV OF SOUTH ALA	301	0	0	0	0	297	0	0	4	0
TOTAL ALABAMA	43,729	5,674	111	0	941	32,622	237	1,310	1,393	1,441
ALASKA										
ALASKA METHODIST UNIV	431	0	0	0	0	422	0	0	9	0
KODIAK COMMUNITY COLLEGE	3	0	0	0	0	3	0	0	0	0
SHELDON JACKSON JR COL **	10	0	0	0	0	10	0	0	0	0
UNIV OF ALASKA	7,610	861	271	169	2,090	1,154	408	302	2,287	68
TOTAL ALASKA	8,054	861	271	169	2,090	1,589	408	302	2,296	68
ARIZONA										

JACKSONVILLE ST UNIV	268	0	0	0	0	268	0	0	0	0
JEFFERSON DAVIS COL **	30	0	0	0	0	30	0	0	0	0
JEFFERSON ST JR COL **	1,165	0	0	0	0	1,165	0	0	0	0
JUDSON COL	71	0	0	0	0	71	0	0	0	0
LARLEEN B WALLACE ST JR C **	22	0	0	0	0	22	0	0	0	0
LAWSON STATE JUNIOR COL **	159	0	0	0	0	159	0	0	0	0
LIVINGSTON UNIVERSITY	283	0	0	0	0	283	0	0	0	0
MILES COL	1,043	0	0	0	0	1,038	0	0	3	2
MOBILE COL	66	0	0	0	0	59	0	0	7	0
MOBILE ST JR COL**	170	0	0	0	0	170	0	0	0	0
NE ALABAMA STATE JR COLL **	63	0	0	0	0	63	0	0	0	0
NORTHWEST ALA ST JR COL **	37	0	0	0	0	37	0	0	0	0
OAKWOOD COL	148	0	0	0	0	123	0	25	0	0
PATRICK HENRY ST JR COL	23	0	0	0	0	23	0	0	0	0
SACRED HEART COL **	19	0	0	0	0	19	0	0	0	0
SAMFORD UNIV	134	0	0	0	0	134	0	0	0	0
SELMA UNIV	26	0	0	0	0	26	0	0	0	0
SNEAD STATE JUNIOR COL **	3	0	0	0	0	3	0	0	0	0
SOUTHERN UNION ST JR COL **	250	0	0	0	0	250	0	0	0	0
SPRING HILL COL	198	0	0	0	0	161	0	0	37	0
ST BERNARD COL	52	0	0	0	0	52	0	0	0	0
STILLMAN COL	730	0	0	0	0	707	0	0	23	0
TALLADEGA COL	829	0	0	0	0	810	0	19	0	0
TROY STATE UNIV	484	0	0	0	0	440	0	0	44	0
TUSKEGEE INST	4,723	235	66	0	0	3,651	0	24	108	639
U OF ALA IN BIRMINGHAM	16,418	0	2	0	104	16,003	0	0	309	0
U OF ALA IN HUNTSVILLE	866	0	0	0	351	47	0	449	19	0
U OF ALA IN TUSCALOOSA	3,681	0	24	0	224	2,631	8	301	493	0
UNIV OF MONTEVALLO	97	0	0	0	0	97	0	0	0	0
UNIV OF SOUTH ALA	301	0	0	0	0	297	0	0	4	0
TOTAL ALABAMA	43,729	5,674	111	0	941	32,622	237	1,310	1,393	1,441
ALASKA										
ALASKA METHODIST UNIV	431	0	0	0	0	422	0	0	9	0
KODIAK COMMUNITY COLLEGE	3	0	0	0	0	3	0	0	0	0
SHELDON JACKSON JR COL **	10	0	0	0	0	10	0	0	0	0
UNIV OF ALASKA	7,610	861	271	169	2,090	1,154	408	302	2,287	68
TOTAL ALASKA	8,054	861	271	169	2,090	1,589	408	302	2,296	68
ARIZONA										
ARIZ WESTERN COL **	188	0	0	0	0	188	0	0	0	0
ARIZONA STATE UNIV	4,397	0	89	5	238	3,116	0	42	907	0
CENTRAL ARIZONA COL **	107	0	0	0	0	107	0	0	0	0
COCHISE COL **	122	0	0	0	0	122	0	0	0	0
EASTERN ARIZ JR COL **	318	0	0	0	0	318	0	0	0	0
GLENDALE COMM COL **	56	0	0	0	0	56	0	0	0	0
GRAND CANYON COL	42	0	0	0	0	42	0	0	0	0
MARICOPA CTY J C CEN SYS*	24	0	0	0	0	24	0	0	0	0
MARICOPA TECHNICAL COLL **	34	0	0	0	0	34	0	0	0	0
MESA COMM COL **	86	0	0	0	0	84	0	0	2	0
NAVAJO COMMUNITY COLLEGE **	1,093	0	0	0	0	355	0	0	0	738
NORTHERN ARIZ UNIV	950	58	0	0	0	711	0	0	181	0
PHOENIX COL **	224	0	0	0	0	224	0	0	0	0
PIMA COUNTY JR COLLEGE **	276	0	0	0	0	276	0	0	0	0
PRESCOTT COL	83	0	0	0	0	69	0	0	14	0
THUNDERBIRD GRADUATE SCH	3	0	0	0	0	3	0	0	0	0
UNIV & ST COL ARIZ C SYS*	2	0	0	0	0	0	2	0	0	0
UNIV OF ARIZONA	16,805	1,704	425	6	2,614	8,108	198	1,552	2,090	108
TOTAL ARIZONA	24,810	1,762	514	11	2,852	13,837	200	1,594	3,194	846
ARKANSAS										
AG MECH&NORMAL COL OF ARK	607	23	0	0	0	584	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
ARKANSAS										
ARK AGR & MECH COL	279	0	0	0	0	279	0	0	0	0
ARK BAPTIST COL	41	0	0	0	0	41	0	0	0	0
ARK COL	226	0	0	0	0	225	0	0	1	0
ARK POLYTECHNIC COL	602	0	0	0	0	598	0	0	4	0
ARK ST UNIV	489	0	0	0	0	470	0	15	4	0
COL OF THE OZARKS	99	0	0	0	0	99	0	0	0	0
CROWLEY'S RIDGE COL **	66	0	0	0	0	66	0	0	0	0
HARDING COL	176	0	0	0	0	131	0	45	0	0
HENDERSON STATE COL	292	0	0	0	0	292	0	0	0	0
HENDRIX COL	47	0	0	0	0	47	0	0	0	0
JOHN BROWN UNIV	67	0	0	0	0	67	0	0	0	0
OUACHITA BAPTIST UNIV	335	0	0	0	0	325	0	0	10	0
PHILANDER SMITH COL	493	0	0	0	0	493	0	0	0	0
PHILLIPS CO COMM COLL **	484	0	0	0	0	484	0	0	0	0
SHORTER COL **	130	0	0	0	0	130	0	0	0	0
SOUTHERN BAPTIST COL **	123	0	0	0	0	123	0	0	0	0
SOUTHERN ST COL	798	0	0	0	0	798	0	0	0	0
STATE COLLEGE OF ARKANSAS	318	0	0	0	0	318	0	0	0	0
UNIV OF ARK	12,104	4,196	155	75	0	6,689	139	0	850	0
WESTARK JR COL **	51	0	0	0	0	51	0	0	0	0
TOTAL ARKANSAS	17,827	4,219	155	75	0	12,310	139	60	869	0
CALIFORNIA										
ALLAN HANCOCK COL **	37	0	0	0	0	37	0	0	0	0
AMER RIVER COL **	138	0	0	0	0	137	0	0	1	0
ANTELOPE VALLEY COL **	23	0	0	0	0	23	0	0	0	0
ARMSTRONG SCH OF BUS	23	0	0	0	0	23	0	0	0	0
ART CTR COL OF DESIGN	6	0	0	0	0	6	0	0	0	0
AZUSA PACIFIC COL	154	0	0	0	0	152	0	0	2	0
BAKERSFIELD COL **	125	0	0	0	0	125	0	0	0	0
BARSTOW COL **	53	0	0	0	0	53	0	0	0	0
BETHANY BIBLE COL	74	0	0	0	0	74	0	0	0	0
BIOLA COL	165	0	0	0	0	165	0	0	0	0
BUTTE COL **	29	0	0	0	0	29	0	0	0	0
CABRILLO COL **	160	0	0	0	0	158	0	0	2	0
CAL COL OF ARTS & CRAFTS	35	0	0	0	0	35	0	0	0	0
CAL COL OF PODIATRIC MED	554	0	0	0	0	554	0	0	0	0
CAL INST OF TECH	17,535	0	2,719	0	2,496	4,964	167	3,166	4,023	0
CAL INST OF THE ARTS	1,062	0	0	0	0	1,062	0	0	0	0
CAL LUTHERAN COL	92	0	0	0	0	92	0	0	0	0
CAL MARITIME ACAD	75	0	0	75	0	0	0	0	0	0
CAL ST COL AT BAKERSFIELD	1,099	0	0	0	0	1,058	0	0	41	0
CAL ST COL AT FULLERTON	1,720	0	0	0	0	1,518	0	0	202	0
CAL ST COL AT HAYWARD	797	0	0	0	0	680	0	0	117	0
CAL ST COL AT LONG BEACH	1,392	0	0	0	45	1,292	0	0	55	0
CAL ST COL AT LOS ANGELES	2,928	0	0	0	23	2,699	0	0	206	0

OUACHITA BAPTIST UNIV	535	0	0	0	0	525	0	0	10	0
PHILANDER SMITH COL	493	0	0	0	0	493	0	0	0	0
PHILLIPS CO COMM COLL **	484	0	0	0	0	484	0	0	0	0
SHORTER COL **	130	0	0	0	0	130	0	0	0	0
SOUTHERN BAPTIST COL **	123	0	0	0	0	123	0	0	0	0
SOUTHERN ST COL	798	0	0	0	0	798	0	0	0	0
STATE COLLEGE OF ARKANSAS	318	0	0	0	0	318	0	0	0	0
UNIV OF ARK	12,104	4,196	155	75	0	6,689	139	0	850	0
WESTARK JR COL **	51	0	0	0	0	51	0	0	0	0
TOTAL ARKANSAS	17,827	4,219	155	75	0	12,310	139	60	869	0
CALIFORNIA										
ALLAN HANCOCK COL **	37	0	0	0	0	37	0	0	0	0
AMER RIVER COL **	138	0	0	0	0	137	0	0	1	0
ANTELOPE VALLEY COL **	23	0	0	0	0	22	0	0	0	0
ARMSTRONG SCH OF BUS	23	0	0	0	0	23	0	0	0	0
ART CTR COL OF DESIGN	6	0	0	0	0	6	0	0	0	0
AZUSA PACIFIC COL	154	0	0	0	0	152	0	0	2	0
BAKERSFIELD COL **	125	0	0	0	0	125	0	0	0	0
BARSTOW COL **	53	0	0	0	0	53	0	0	0	0
BETHANY BIBLE COL	74	0	0	0	0	74	0	0	0	0
BIOLA COL	165	0	0	0	0	165	0	0	0	0
BUTTE COL **	29	0	0	0	0	29	0	0	0	0
CABRILLO COL **	160	0	0	0	0	158	0	0	2	0
CAL COL OF ARTS & CRAFTS	35	0	0	0	0	35	0	0	0	0
CAL COL OF PODIATRIC MED	554	0	0	0	0	554	0	0	0	0
CAL INST OF TECH	17,535	0	2,719	0	2,496	4,964	167	3,166	4,023	0
CAL INST OF THE ARTS	1,062	0	0	0	0	1,062	0	0	0	0
CAL LUTHERAN COL	92	0	0	0	0	92	0	0	0	0
CAL MARITIME ACAD	75	0	0	75	0	0	0	0	0	0
CAL ST COL AT BAKERSFIELD	1,099	0	0	0	0	1,058	0	0	41	0
CAL ST COL AT FULLERTON	1,720	0	0	0	0	1,518	0	0	202	0
CAL ST COL AT HAYWARD	797	0	0	0	0	680	0	0	117	0
CAL ST COL AT LONG BEACH	1,392	0	0	0	45	1,292	0	0	55	0
CAL ST COL AT LOS ANGELES	2,928	0	0	0	23	2,699	0	0	206	0
CAL ST COL DOMINGUEZ HILL	166	0	0	0	0	166	0	0	0	0
CAL ST COL SAN BERNARDINO	167	0	0	0	0	109	0	0	58	0
CAL ST POLY C POMONA	327	1	0	0	0	294	0	0	32	0
CAL ST POLY C SAN LU OBIS	181	24	0	0	36	117	0	0	4	0
CANADA COL **	117	0	0	0	0	117	0	0	0	0
CERRITOS COL **	120	0	0	0	0	116	0	0	4	0
CHABOT COL **	180	0	0	0	0	180	0	0	0	0
CHAFFEY COL **	71	0	0	0	0	71	0	0	0	0
CHAPMAN COL	103	0	10	0	0	93	0	0	0	0
CHICO STATE COL	808	1	0	0	0	682	0	20	105	0
CITRUS COL **	25	0	0	0	0	25	0	0	0	0
CITY COL OF SAN FRANCISCO **	338	0	0	0	0	338	0	0	0	0
CLAREMONT GRAD SCH & UNIV	789	0	0	0	0	400	0	0	149	240
CLAREMONT MENS COL	28	0	0	0	0	10	0	0	18	0
COL OF ALAMEDA **	162	0	0	0	0	162	0	0	0	0
COL OF MARIN **	166	0	0	0	0	164	0	0	2	0
COL OF NOTRE DAME	67	0	0	0	0	22	0	0	45	0
COL OF SAN MATEO **	236	0	0	0	0	236	0	0	0	0
COL OF THE DESERT **	93	0	0	0	0	93	0	0	0	0
COL OF THE HOLY NAMES	75	0	0	0	0	36	0	0	39	0
COL OF THE REDWOODS **	20	0	0	0	0	20	0	0	0	0
COL OF THE SEQUOIAS **	43	0	0	0	0	43	0	0	0	0
COL OF THE SISKIYOUS **	23	0	0	0	0	23	0	0	0	0
COLLEGE OF THE CANYONS **	15	0	0	0	0	15	0	0	0	0
COLUMBIA JR COL **	49	0	0	0	0	49	0	0	0	0
COMPTON COL **	211	0	0	0	0	211	0	0	0	0
CONSUMNES RIVER COL **	21	0	0	0	0	21	0	0	0	0
CONTRA COSTA COL **	144	0	0	0	0	139	0	0	5	0
CRAFTON HILLS COLLEGE **	500	0	0	0	0	500	0	0	0	0
CUESTA COL **	209	0	0	0	0	207	0	0	2	0
CYPRESS JR COL **	114	0	0	0	0	114	0	0	0	0
DE ANZA COLLEGE **	112	0	0	0	0	112	0	0	0	0
DEEP SPRINGS COL **	2	0	0	0	0	2	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
CALIFORNIA										
DIABLO VALLEY COL **	126	0	0	0	0	109	0	0	17	0
DOMINICAN COL SAN RAFAEL	16	0	0	0	0	10	0	0	6	0
DON BOSCO TECH INST & COL **	27	0	0	0	0	27	0	0	0	0
EAST LOS ANGELES COL **	287	0	0	0	0	287	0	0	0	0
EL CAMINO COL **	42	0	0	0	0	42	0	0	0	0
FEATHER RIVER COLLEGE **	20	0	0	0	0	20	0	0	0	0
FOOTHILL COL **	152	0	0	0	0	152	0	0	0	0
FREEMONT-NEWARK JR COL DS	500	0	0	0	0	500	0	0	0	0
FRESNO CITY COL **	292	0	0	0	0	268	0	0	24	0
FRESNO STATE COL	1,763	30	0	0	0	1,250	340	0	143	0
FULLER THEOL SEM	41	0	0	0	0	41	0	0	0	0
FULLERTON JR COL **	72	0	0	0	0	70	0	0	2	0
GAVILAN COL **	115	0	0	0	0	115	0	0	0	0
GLENDALE COL **	18	0	0	0	0	18	0	0	0	0
GOLDEN GATE COL	105	0	0	0	0	105	0	0	0	0
GOLDEN WEST COL **	62	0	0	0	0	62	0	0	0	0
GRADUATE THEOL UNION	10	0	0	0	0	10	0	0	0	0
GROSSMONT COL **	154	0	0	0	0	154	0	0	0	0
HARTNELL COL **	54	0	0	0	0	54	0	0	0	0
HARVEY MUDD COL	109	0	0	0	0	25	0	0	84	0
HUMBOLDT STATE COL	517	20	10	0	0	363	0	0	124	0
HUMPHREYS COL	32	0	0	0	0	32	0	0	0	0
IMMACULATE HEART COL	116	0	0	0	0	109	0	0	7	0
IMPERIAL VALLEY COL **	76	0	0	0	0	76	0	0	0	0
JOHN F KENNEDY UNIVERSITY	17	0	0	0	0	17	0	0	0	0
L A CITY JR COL CEN SYS*	144	0	0	0	0	0	0	0	0	144
LA VERNE COL	60	0	0	0	0	60	0	0	0	0
LANEY COL**	238	0	0	0	0	238	0	0	0	0
LASSEN COL **	19	0	0	0	0	19	0	0	0	0
LOMA LINDA UNIV	3,941	0	29	0	15	3,857	0	0	40	0
LONG BEACH CITY COL**	50	0	0	0	0	50	0	0	0	0
LOS ANGELES BAPT COL&SEM	51	0	0	0	0	51	0	0	0	0
LOS ANGELES CITY COL **	514	0	0	0	0	514	0	0	0	0
LOS ANGELES COL OF OPTOM	221	0	0	0	0	221	0	0	0	0
LOS ANGELES HARBOR COL **	16	0	0	0	0	16	0	0	0	0
LOS ANGELES PIERCE COL **	26	0	0	0	0	26	0	0	0	0
LOS ANGELES SOUTHWEST COL**	23	0	0	0	0	23	0	0	0	0
LOS ANGELES TR-TECH COL **	47	0	0	0	0	47	0	0	0	0
LOS ANGELES VALLEY COL **	115	0	0	0	0	113	0	0	2	0
LOYOLA UNIV LOS ANGELES	150	0	0	0	0	144	0	0	6	0
MARYMOUNT COL	176	0	0	0	0	176	0	0	0	0
MENLO COL	9	0	0	0	0	9	0	0	0	0
MERCED COL **	655	0	0	0	0	655	0	0	0	0
MERRITT COL **	451	0	0	0	0	451	0	0	0	0
MILLS COL	240	0	0	0	0	188	0	0	52	0

IMPERIAL VALLEY COL **	18	0	0	0	0	17	0	0	0	144	
JOHN F KENNEDY UNIVERSITY	17	0	0	0	0	0	0	0	0	0	
L A CITY JR COL CEN SYS*	144	0	0	0	0	60	0	0	0	0	
LA VERNE COL	60	0	0	0	0	238	0	0	0	0	
LANEY COL**	238	0	0	0	0	19	0	0	0	0	
LASSEN COL **	19	0	0	0	0	3,857	0	0	40	0	
LOMA LINDA UNIV	3,941	0	29	0	15	50	0	0	0	0	
LONG BEACH CITY COL**	50	0	0	0	0	51	0	0	0	0	
LOS ANGELES BAPT COL&SEM	51	0	0	0	0	514	0	0	0	0	
LOS ANGELES CITY COL **	514	0	0	0	0	221	0	0	0	0	
LOS ANGELES COL OF OPTOM	221	0	0	0	0	16	0	0	0	0	
LOS ANGELES HARBOR COL **	16	0	0	0	0	26	0	0	0	0	
LOS ANGELES PIERCE COL **	26	0	0	0	0	23	0	0	0	0	
LOS ANGELES SOUTHWEST COL**	23	0	0	0	0	47	0	0	0	0	
LOS ANGELES TR-TECH COL**	47	0	0	0	0	113	0	0	2	0	
LOS ANGELES VALLEY COL **	115	0	0	0	0	144	0	0	6	0	
LOYOLA UNIV LOS ANGELES	150	0	0	0	0	176	0	0	0	0	
MARYMOUNT COL	176	0	0	0	0	9	0	0	0	0	
MENLO COL	9	0	0	0	0	655	0	0	0	0	
MERCED COL **	655	0	0	0	0	451	0	0	0	0	
MERRITT COL **	451	0	0	0	0	188	0	0	52	0	
MILLS COL	240	0	0	0	0	52	0	0	0	0	
MIRA COSTA COL **	52	0	0	0	0	156	0	0	5	0	
MODESTO JR COL **	162	1	0	0	0	38	0	0	0	0	
MONTEREY INST OF FOR STUD	38	0	0	0	0	106	0	0	0	0	
MONTEREY PENINSULA COL **	106	0	0	0	0	127	0	0	0	0	
MOORPARK JR COL **	127	0	0	0	0	128	0	0	10	0	
MOUNT SAN ANTONIO COLLEGE **	138	0	0	0	0	22	0	0	0	0	
MT SAN JACINTO COL **	22	0	0	0	0	85	0	0	0	0	
MT ST MARYS COL	85	0	0	0	0	143	0	0	0	0	
NAIROBI COLLEGE **	143	0	0	0	0	103	0	0	0	0	
NAPA COL**	103	0	0	0	0	23	0	0	0	0	
NORTHROP INST OF TECH	23	0	0	0	0	203	0	0	31	0	
OCCIDENTAL COL	234	0	0	0	0	34	0	0	0	0	
OHLONE COLLEGE **	34	0	0	0	0	83	0	0	0	0	
ORANGE COAST COL **	83	0	0	0	0	3	0	0	0	0	
OTIS ART INST LA CNTY	3	0	0	0	0	6	0	0	0	0	
PACIFIC CHRISTIAN COL	6	0	0	0	0	151	0	0	2	0	
PACIFIC COL	153	0	0	0	0	143	0	0	10	0	
PACIFIC OAKS COL	153	0	0	0	0	100	0	0	0	0	
PACIFIC SCH OF RELIGION	100	0	0	0	0	163	0	0	0	0	
PACIFIC UNION COL	163	0	0	0	0	20	0	0	0	0	
PALO VERDE COL **	20	0	0	0	0	41	0	0	0	0	
PALOMAR COL **	41	0	0	0	0	579	0	0	21	0	
PASADENA CITY COL **	600	0	0	0	0	282	0	0	0	0	
PASADENA COL	282	0	0	0	0	160	0	0	0	0	
PEPPERDINE COL	160	0	0	0	0	24	0	0	0	493	
PERALTA JR COL CEN SYS*	517	0	0	0	0	92	0	0	46	0	
PITZER COL	138	0	0	0	0	230	0	0	30	0	
POMONA COL	268	0	0	0	8	44	0	0	0	0	
PORTERVILLE COL **	44	0	0	0	0	55	0	0	0	0	
REEDLEY COL **	55	0	0	0	0	117	0	0	0	0	
RIO HONDO JR COL **	117	0	0	0	0	148	0	0	0	0	
RIVERSIDE CITY COL **	148	0	0	0	0	263	0	0	0	0	
SACRAMENTO CITY COL	263	0	0	0	0	946	0	0	92	0	
SACRAMENTO STATE COL	1,046	0	0	8	0	77	0	0	0	0	
SAN BERNARDINO VALLEY COL **	77	0	0	0	0	142	0	0	0	0	
SAN DIEGO CITY COL **	142	0	0	0	0						

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
CALIFORNIA										
SAN DIEGO COLLEGE-WOMEN	10	0	0	0	0	10	0	0	0	0
SAN DIEGO JR COL CEN SYS*	891	0	0	0	0	52	0	0	0	839
SAN DIEGO MESA COL **	63	0	0	0	0	63	0	0	0	0
SAN DIEGO STATE COL	3,281	0	100	0	596	1,578	0	0	1,007	0
SAN FERNANDO VLY ST COL	1,583	0	0	0	0	1,572	0	0	11	0
SAN FRANCISCO ART INST	11	0	0	0	0	11	0	0	0	0
SAN FRANCISCO COL WOMEN	56	0	0	0	0	56	0	0	0	0
SAN FRANCISCO CONSV MUSIC	21	0	0	0	0	21	0	0	0	0
SAN FRANCISCO STATE COL	2,738	0	0	0	0	2,491	1	0	246	0
SAN JOAQUIN DELTA COL **	796	0	0	0	0	796	0	0	0	0
SAN JOSE BIBLE COL	13	0	0	0	0	13	0	0	0	0
SAN JOSE CITY COL **	209	0	0	0	0	209	0	0	0	0
SAN JOSE STATE COL	3,269	0	0	0	111	2,507	10	110	531	0
SANTA ANA COL **	94	0	0	0	0	94	0	0	0	0
SANTA BARBARA CITY COL **	115	0	0	0	0	102	0	0	13	0
SANTA MONICA CITY COL **	34	0	0	0	0	34	0	0	0	0
SANTA ROSA JR COL **	71	0	0	0	0	71	0	0	0	0
SCRIPPS COL	42	0	0	0	0	42	0	0	0	0
SHASTA COL **	79	0	0	0	0	79	0	0	0	0
SIERRA COL **	31	0	0	0	0	31	0	0	0	0
SIMPSON BIBLE COL	31	0	0	0	0	31	0	0	0	0
SKYLINE COLLEGE **	608	0	0	0	0	608	0	0	0	0
SOLANO COL **	88	0	0	0	0	88	0	0	0	0
SONOMA STATE COL	287	0	0	2	0	195	0	0	90	0
SOUTHERN CAL COL	175	0	0	0	0	175	0	0	0	0
SOUTHERN CAL SCH THEOLOGY	13	0	0	0	0	13	0	0	0	0
SOUTHWESTERN COL **	481	0	0	0	0	481	0	0	0	0
ST MARYS COL CALIFORNIA	81	0	0	0	0	64	0	0	17	0
ST PATRICKS COL	1	0	0	0	0	1	0	0	0	0
STANFORD UNIV	53,479	0	789	39	10,928	24,376	234	4,410	12,590	113
STANISLAUS STATE COL	164	0	0	0	15	149	0	0	0	0
TAFT COL **	13	0	0	0	0	13	0	0	0	0
TAHOE COLLEGE	19	0	0	0	0	19	0	0	0	0
U S INTERNATIONAL UNIV	211	0	0	0	0	168	0	0	43	0
UNIV OF CAL BERKELEY	44,112	561	752	0	4,875	22,647	628	6,695	6,689	1,265
UNIV OF CAL DAVIS	15,264	111	2,572	0	242	9,658	181	586	1,878	36
UNIV OF CAL IRVINE	5,640	0	795	0	248	3,284	25	0	1,288	0
UNIV OF CAL LOS ANGELES	52,619	0	5,066	5	6,216	31,253	330	2,439	5,764	1,546
UNIV OF CAL RIVERSIDE	4,177	70	334	0	241	2,547	20	9	956	0
UNIV OF CAL SAN DIEGO	39,001	0	2,027	49	10,663	10,803	0	3,463	11,578	418
UNIV OF CAL SANTA CRUZ	1,173	0	30	0	58	408	0	60	617	0
UNIV OF CAL CENTRAL SYS*	6,026	5,414	0	0	0	579	0	0	33	0
UNIV OF CAL SAN FRANCISCO	26,784	0	723	0	324	25,563	0	113	61	0
UNIV OF CAL SANTA BARBARA	5,153	0	235	0	325	2,504	6	192	1,891	0
UNIV OF REDLANDS	290	0	0	0	0	226	0	0	64	0
UNIV OF SAN DIEGO	286	0	0	0	0	213	0	0	73	0
UNIV OF SAN FRANCISCO	892	0	0	0	114	575	0	56	147	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	105	206	1

SANTA MONICA CITY COL **	34	0	0	0	0	34	0	0	0	0
SANTA ROSA JR COL **	71	0	0	0	0	71	0	0	0	0
SCRIPPS COL	42	0	0	0	0	42	0	0	0	0
SHASTA COL **	79	0	0	0	0	79	0	0	0	0
SIERRA COL **	31	0	0	0	0	31	0	0	0	0
SIMPSON BIBLE COL	31	0	0	0	0	31	0	0	0	0
SKYLINE COLLEGE **	608	0	0	0	0	608	0	0	0	0
SOLANO COL **	88	0	0	0	0	88	0	0	0	0
SONOMA STATE COL	287	0	0	2	0	195	0	0	90	0
SOUTHERN CAL COL	175	0	0	0	0	175	0	0	0	0
SOUTHERN CAL SCH THEOLOGY	13	0	0	0	0	13	0	0	0	0
SOUTHWESTERN COL **	481	0	0	0	0	481	0	0	0	0
ST MARYS COL CALIFORNIA	81	0	0	0	0	64	0	0	17	0
ST PATRICKS COL	1	0	0	0	0	1	0	0	0	0
STANFORD UNIV	53,479	0	789	39	10,928	24,376	234	4,410	12,590	113
STANISLAUS STATE COL	164	0	0	0	15	149	0	0	0	0
TAFT COL **	13	0	0	0	0	13	0	0	0	0
TAHOE COLLEGE	19	0	0	0	0	19	0	0	0	0
U S INTERNATIONAL UNIV	211	0	0	0	0	168	0	0	43	0
UNIV OF CAL BERKELEY	44,112	561	752	0	4,875	22,647	628	6,695	6,689	1,265
UNIV OF CAL DAVIS	15,264	111	2,572	0	242	9,658	181	586	1,878	36
UNIV OF CAL IRVINE	5,640	0	795	0	248	3,284	25	0	1,288	0
UNIV OF CAL LOS ANGELES	52,619	0	5,066	5	6,216	31,253	330	2,439	5,764	1,546
UNIV OF CAL RIVERSIDE	4,177	70	334	0	241	2,547	20	9	956	0
UNIV OF CAL SAN DIEGO	39,001	0	2,027	49	10,663	10,803	0	3,463	11,578	418
UNIV OF CAL SANTA CRUZ	1,173	0	30	0	58	408	0	60	617	0
UNIV OF CAL CENTRAL SYS*	6,026	5,414	0	0	0	579	0	0	33	0
UNIV OF CAL SAN FRANCISCO	26,784	0	723	0	324	25,563	0	113	61	0
UNIV OF CAL SANTA BARBARA	5,153	0	235	0	325	2,504	6	192	1,891	0
UNIV OF REDLANDS	290	0	0	0	0	226	0	0	64	0
UNIV OF SAN DIEGO	286	0	0	0	0	213	0	0	73	0
UNIV OF SAN FRANCISCO	892	0	0	0	114	575	0	56	147	0
UNIV OF SANTA CLARA	513	0	0	0	43	158	0	105	206	1
UNIV OF SOUTHERN CAL	24,351	1	247	3	1,785	16,372	62	1,506	2,397	1,978
UNIV OF THE PACIFIC	2,176	0	0	0	118	1,734	35	0	60	229
VENTURA COL **	111	0	0	0	0	111	0	0	0	0
VICTOR VALLEY COL **	43	0	0	0	0	40	0	0	3	0
WEST HILLS COLLEGE **	18	0	0	0	0	18	0	0	0	0
WEST LOS ANGELES COLLEGE	20	0	0	0	0	20	0	0	0	0
WEST VALLEY COL **	95	0	0	0	0	95	0	0	0	0
WESTMONT COL	102	0	0	0	0	102	0	0	0	0
WHITTIER COL	127	0	0	0	0	116	0	0	11	0
YUBA COL **	71	0	0	0	0	71	0	0	0	0
TOTAL CALIFORNIA	349,775	6,234	16,438	181	39,525	200,996	2,039	22,930	54,130	7,302
COLORADO										
ADAMS STATE COL	192	0	0	0	0	192	0	0	0	0
AIMS COL **	164	0	0	0	0	164	0	0	0	0
ARAPAHOE JR COL **	474	0	0	0	0	474	0	0	0	0
COLORADO COL	800	0	0	0	0	157	0	0	86	557
COLORADO MOUNTAIN COL **	28	0	0	0	0	28	0	0	0	0
COLORADO SCH OF MINES	1,775	0	0	241	3	96	162	202	1,071	0
COLORADO STATE UNIV	15,363	2,267	284	98	1,061	4,629	840	482	5,270	432
COMMUNITY COLLEGE DENVER **	354	0	0	0	0	354	0	0	0	0
EL PASO COMMUNITY COLLEGE **	15	0	0	0	0	15	0	0	0	0
FORT LEWIS COL	265	0	0	0	0	249	0	0	16	0
ILIFF SCHOOL OF THEOLOGY	17	0	0	0	0	17	0	0	0	0
LAMAR COMMUNITY COLLEGE **	16	0	0	0	0	16	0	0	0	0
LORETTO HEIGHTS COL	117	0	0	0	0	104	0	0	13	0
MESA COL **	66	0	0	0	0	64	0	0	2	0
METROPOLITAN STATE COL	276	0	0	0	0	276	0	0	0	0
NORTHEASTERN JR COL **	73	0	0	0	0	73	0	0	0	0
OTERO JR COL **	168	0	0	0	0	166	0	0	2	0
RANGELY COL **	44	0	0	0	0	44	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
COLORADO										
REGIS COL	59	0	0	0	0	59	0	0	0	0
SOUTHERN COLORADO ST COL	428	0	0	0	0	133	0	0	7	288
TEMPLE BUELL COL	279	0	0	0	0	159	0	0	120	0
TRINIDAD STATE JR COL **	314	0	0	0	0	311	3	0	0	0
UNIV OF COLORADO	32,118	0	1,108	483	1,832	21,701	95	1,504	4,986	409
UNIV OF DENVER	4,404	0	0	0	1,317	1,688	110	641	636	12
UNIV OF NORTHERN COLORADO	1,406	0	0	0	5	1,219	0	0	182	0
WESTERN ST COL COLORADO	54	0	0	0	0	54	0	0	0	0
TOTAL COLORADO	59,269	2,267	1,392	822	4,218	32,442	1,210	2,829	12,391	1,698
CONNECTICUT										
ALBERTUS MAGNUS COL	62	0	0	0	0	62	0	0	0	0
ANNHURST COL	5	0	0	0	0	5	0	0	0	0
CENTRAL CONN ST COL	204	0	0	0	0	152	0	0	52	0
CONNECTICUT COL	196	0	0	0	9	169	0	0	18	0
EASTERN CONN STATE COL	88	0	0	0	0	88	0	0	0	0
FAIRFIELD UNIV	264	0	0	0	0	201	0	9	54	0
HARTFORD COL FOR WOMEN **	22	0	0	0	0	22	0	0	0	0
HARTFORD STATE TECH COL	21	0	0	0	0	21	0	0	0	0
HOUSATONIC REG COMM COL **	44	0	0	0	0	44	0	0	0	0
MANCHESTER COMM COL **	48	0	0	0	0	48	0	0	0	0
MATTATUCK COMMUNITY COL **	41	0	0	0	0	41	0	0	0	0
MIDDLESEX COMM COL **	26	0	0	0	0	26	0	0	0	0
MITCHELL COL **	23	0	0	0	0	23	0	0	0	0
MORSE OF HARTFORD **	5	0	0	0	0	5	0	0	0	0
NEW ENGLAND INST	57	0	45	0	0	0	0	0	12	0
NEW HAVEN COL	250	0	0	0	0	250	0	0	0	0
NORTHWESTN CONN COMM COL **	185	0	0	0	0	185	0	0	0	0
NORWALK COMM COL **	69	0	0	0	0	69	0	0	0	0
NORWALK STATE TECH COL **	192	0	0	0	0	192	0	0	0	0
POST JR COL **	30	0	0	0	0	30	0	0	0	0
QUINNIPIAC COL	237	0	0	0	0	237	0	0	0	0
SACRED HEART UNIV	37	0	0	0	0	37	0	0	0	0
SILVERMINE COL OF ART **	17	0	0	0	0	17	0	0	0	0
SOUTH CENTRAL COMM COL **	132	0	0	0	0	132	0	0	0	0
SOUTHERN CONN STATE COL	526	0	0	0	0	485	0	0	41	0
ST JOSEPH COL	92	0	0	0	0	39	0	0	53	0
THAMES VALLEY ST TECH COL **	17	0	0	0	0	17	0	0	0	0
TRINITY COL	146	0	0	0	0	110	0	0	36	0
UNIV OF BRIDGEPORT	568	0	0	0	0	513	0	0	55	0
UNIV OF CONNECTICUT	10,631	1,107	92	50	426	7,225	220	393	1,118	0
UNIV OF HARTFORD	663	0	0	0	0	639	0	0	24	0
WATERBURY STATE TECH COL **	8	0	0	0	0	8	0	0	0	0
WESLEYAN UNIV	1,520	0	0	15	39	541	0	228	697	0
WESTERN CONN STATE COL	48	0	0	0	0	36	0	0	12	0
YALE UNIV	33,904	0	3,515	0	1,631	23,586	1	694	4,476	1
TOTAL CONNECTICUT	50,378	1,107	3,652	65	2,105	35,255	221	1,324	6,648	1
DELAWARE										
BRANDYWINE COLLEGE **	144	0	0	0	0	144	0	0	0	0
DELAWARE STATE COL	477	12	0	0	0	456	0	9	0	0
DELAWARE TECH & COMM COL **	72	0	0	0	0	72	0	0	0	0
GOLDEY BEACON JR COL **	47	0	0	0	0	47	0	0	0	0
UNIV OF DELAWARE	3,604	891	30	100	726	1,100	93	0	664	0
WESLEY COL **	33	0	0	0	0	33	0	0	0	0
WILMINGTON COLLEGE	31	0	0	0	0	31	0	0	0	0

CONNECTICUT COL	88	0	0	0	0	201	0	0	0	0	
EASTERN CONN STATE COL	264	0	0	0	0	22	0	0	0	0	
FAIRFIELD UNIV	22	0	0	0	0	21	0	0	0	0	
HARTFORD COL FOR WOMEN **	21	0	0	0	0	44	0	0	0	0	
HARTFORD STATE TECH COL	44	0	0	0	0	48	0	0	0	0	
HOUSATONIC REG COMM COL **	48	0	0	0	0	41	0	0	0	0	
MANCHESTER COMM COL **	41	0	0	0	0	26	0	0	0	0	
MATTATUCK COMMUNITY COL **	26	0	0	0	0	23	0	0	0	0	
MIDDLESEX COMM COL **	23	0	0	0	0	5	0	0	12	0	
MITCHELL COL **	5	0	0	0	0	0	0	0	0	0	
MORSE OF HARTFORD **	57	0	45	0	0	250	0	0	0	0	
NEW ENGLAND INST	250	0	0	0	0	185	0	0	0	0	
NEW HAVEN COL	185	0	0	0	0	69	0	0	0	0	
NORTHWESTN CONN COMM COL **	69	0	0	0	0	192	0	0	0	0	
NORWALK COMM COL **	192	0	0	0	0	30	0	0	0	0	
NORWALK STATE TECH COL **	30	0	0	0	0	237	0	0	0	0	
POST JR COL **	237	0	0	0	0	37	0	0	0	0	
QUINNIPIAC COL	37	0	0	0	0	17	0	0	0	0	
SACRED HEART UNIV	17	0	0	0	0	132	0	0	41	0	
SILVERMINE COL OF ART **	132	0	0	0	0	485	0	0	53	0	
SOUTH CENTRAL COMM COL **	526	0	0	0	0	39	0	0	0	0	
SOUTHERN CONN STATE COL	92	0	0	0	0	17	0	0	36	0	
ST JOSEPH COL	17	0	0	0	0	110	0	0	55	0	
THAMES VALLEY ST TECH COL **	146	0	0	0	0	513	0	0	1,118	0	
TRINITY COL	568	0	0	0	426	7,225	220	393	24	0	
UNIV OF BRIDGEPORT	10,631	1,107	92	50	0	639	0	0	0	0	
UNIV OF CONNECTICUT	663	0	0	0	0	8	0	0	697	0	
UNIV OF HARTFORD	8	0	0	0	0	541	0	228	12	0	
WATERBURY STATE TECH COL **	1,520	0	0	15	39	36	0	0	4,476	1	
WESLEYAN UNIV	48	0	0	0	0	23,586	1	694	6,648	1	
WESTERN CONN STATE COL	33,904	0	3,515	0	1,631	35,255	221	1,324			
YALE UNIV	50,378	1,107	3,652	65	2,105						
TOTAL CONNECTICUT											
DELAWARE											
BRANDYWINE COLLEGE **	144	0	0	0	0	144	0	0	0	0	
DELAWARE STATE COL	477	12	0	0	0	456	0	9	0	0	
DELAWARE TECH & COMM COL **	72	0	0	0	0	72	0	0	0	0	
GOLDEY BEACON JR COL **	47	0	0	0	0	47	0	0	0	0	
UNIV OF DELAWARE	3,604	891	30	100	726	1,100	93	0	664	0	
WESLEY COL **	33	0	0	0	0	33	0	0	0	0	
WILMINGTON COLLEGE	31	0	0	0	0	31	0	0	0	0	
TOTAL DELAWARE	4,408	903	30	100	726	1,883	93	9	664		
DIST OF COLUMBIA											
AMERICAN UNIVERSITY	2,662	0	29	12	1,471	666	44	54	382	4	
BENJAMIN FRANKLIN UNIV	1	0	0	0	1	0	0	0	0	0	
CATHOLIC UNIV OF AMERICA	5,305	0	111	3	981	3,379	80	159	547	45	
DIST OF COL TCHRS COL	270	0	0	0	0	270	0	0	0	0	
DUNBARTON COL HOLY CROSS	21	0	0	0	0	8	0	0	0	13	
FEDERAL CITY COL	1,577	360	0	0	0	1,159	0	28	30	0	
GALLAUDET COL	5,443	0	0	0	0	5,429	0	0	14	0	
GEORGE WASHINGTON UNIV	26,357	0	10	0	1,641	22,249	47	1,500	467	443	
GEORGETOWN UNIV	9,416	0	52	0	578	7,659	21	25	989	92	
HOWARD UNIV	32,529	70	96	168	22	28,652	0	174	291	3,056	
IMMACULATA COL OF WASH **	7	0	0	0	0	7	0	0	0	0	
MOUNT VERNON JR COL **	3	0	0	0	0	3	0	0	0	0	
OBLATE COL	9	0	0	0	0	9	0	0	0	0	
STRAYER COLLEGE	4	0	0	0	0	4	0	0	0	0	
TRINITY COL	144	0	0	0	0	144	0	0	14	0	
WASHINGTON TECHNICAL INST **	326	0	0			312	0				

TABLE C-13- CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
DIST OF COLUMBIA										
TOTAL DISTRICT OF COLUMBIA	84,074	430	298	183	4,694	69,950	192	1,940	2,734	3,653
FLORIDA										
BARRY COL	170	0	0	0	0	170	0	0	0	0
BETHUNE-COOKMAN COL	582	0	0	0	0	582	0	0	0	0
BISCAYNE COL	61	0	0	0	0	61	0	0	0	0
BREVARD JR COL **	206	0	0	0	0	206	0	0	0	0
BROWARD JUNIOR COLLEGE **	175	0	0	0	0	175	0	0	0	0
CENTRAL FLORIDA JR COL**	536	0	0	0	0	536	0	0	0	0
CHIPOLA JR COL **	41	0	0	0	0	41	0	0	0	0
DAYTONA BEACH JR COL **	95	0	0	0	0	95	0	0	0	0
EDISON JR COL **	29	0	0	0	0	29	0	0	0	0
EDWARD WATERS COL	245	0	0	0	0	245	0	0	0	0
EMBRY-RIDDLE AERO INST	804	0	0	0	0	791	0	0	13	0
FLAGER COLLEGE	3	0	0	0	0	3	0	0	0	0
FLORIDA AGR & MECH UNIV	967	20	0	0	0	922	0	0	25	0
FLORIDA ATLANTIC UNIV	1,018	0	0	0	126	276	0	0	616	0
FLORIDA INST OF TECH	533	0	8	0	21	88	0	80	336	0
FLORIDA JR COL **	44	0	0	0	0	44	0	0	0	0
FLORIDA KEYS JR COL **	47	0	0	0	0	47	0	0	0	0
FLORIDA MEMORIAL COL	636	0	0	0	0	636	0	0	0	0
FLORIDA PRESBYTERIAN COL	303	0	0	0	0	281	0	0	22	0
FLORIDA SOUTHERN COL	157	0	0	0	0	157	0	0	0	0
FLORIDA STATE UNIV	12,301	0	1,180	29	1,649	6,196	0	133	2,917	197
FLORIDA TECHNOLOGICL UNIV	322	0	9	0	25	185	0	25	78	0
GULF COAST JR COL **	29	0	0	0	0	29	0	0	0	0
HILLSBOROUGH JR COLLEGE **	53	0	0	0	0	53	0	0	0	0
INDIAN RIVER JR COL **	118	0	0	0	0	118	0	0	0	0
JACKSONVILLE UNIV	133	0	0	0	0	133	0	0	0	0
JONES COL	103	0	0	0	0	103	0	0	0	0
LAKE CTY JR COL & FOREST **	233	0	0	0	0	233	0	0	0	0
LAKE-SUMTER JR COL **	19	0	0	0	0	19	0	0	0	0
MANATEE JR COL **	28	0	0	0	0	28	0	0	0	0
MARYMOUNT COL **	101	0	0	0	0	101	0	0	0	0
MIAMI-DADE JR COL **	1,275	0	0	0	0	1,273	0	0	2	0
NEW COL	66	0	0	0	0	53	0	0	13	0
NORTH FLORIDA JR COL **	195	0	0	0	0	195	0	0	0	0
NOVA UNIV	693	0	41	0	284	168	0	0	200	0
OKALOOSA-WALTON JR COL **	24	0	0	0	0	24	0	0	0	0
PALM BEACH ATLANTIC COLL	22	0	0	0	0	22	0	0	0	0
PALM BEACH JR COL **	49	0	0	0	0	46	0	0	3	0
PENSACOLA JR COL **	57	0	0	0	0	57	0	0	0	0
POLK JR COL **	3	0	0	0	0	3	0	0	0	0
ROLLINS COL	90	0	0	0	0	90	0	0	0	0
SANTA FE JR COL **		0	0	0	0		0	0	0	0
SEMINOLE JR COL **	37	0	0	0	0	37	0	0	0	0
SOUTH FLORIDA JR COL**	7	0	0	0	0	7	0	0	0	0
SOUTH-EASTERN BIBLE COL	172	0	0	0	0	172	0	0	0	0
ST JOHNS RIVER JR COL **	40	0	0	0	0	40	0	0	0	0
ST JOSEPH COL OF FLORIDA **	36	0	0	0	0	36	0	0	0	0
ST LEO COL	33	0	0	0	0	31	0	0	2	0
ST PETERSBURG JR COL **	320	0	0	0	0	320	0	0	0	0
STETSON UNIV	362	0	0	0	17	337	0	0	8	0
TALLAHASSEE JR COL**	63	0	0	0	0	63	0	0	0	0
UNIV OF FLORIDA	41,504	3,395	445	0	1,850	31,425	329	487	2,663	910

FLORIDA PRESBYTERIAN COL	303	0	0	0	0	281	0	0	22	0
FLORIDA SOUTHERN COL	157	0	0	0	0	157	0	0	0	0
FLORIDA STATE UNIV	12,301	0	1,180	29	1,649	6,196	0	133	2,917	197
FLORIDA TECHNOLOGICL UNIV	322	0	9	0	25	185	0	25	78	0
GULF COAST JR COL **	29	0	0	0	0	29	0	0	0	0
HILLSBOROUGH JR COLLEGE **	53	0	0	0	0	53	0	0	0	0
INDIAN RIVER JR COL **	118	0	0	0	0	118	0	0	0	0
JACKSONVILLE UNIV	133	0	0	0	0	133	0	0	0	0
JONES COL	103	0	0	0	0	103	0	0	0	0
LAKE CTY JR COL & FOREST **	233	0	0	0	0	233	0	0	0	0
LAKE-SUMTER JR COL **	19	0	0	0	0	19	0	0	0	0
MANATEE JR COL **	28	0	0	0	0	28	0	0	0	0
MARYMOUNT COL **	101	0	0	0	0	101	0	0	0	0
MIAMI-DADE JR COL **	1,275	0	0	0	0	1,273	0	0	2	0
NEW COL	66	0	0	0	0	53	0	0	13	0
NORTH FLORIDA JR COL **	195	0	0	0	0	195	0	0	0	0
NOVA UNIV	693	0	41	0	284	168	0	0	200	0
OKALOOSA-WALTON JR COL **	24	0	0	0	0	24	0	0	0	0
PALM BEACH ATLANTIC COLL	22	0	0	0	0	22	0	0	0	0
PALM BEACH JR COL **	49	0	0	0	0	46	0	0	3	0
PENSACOLA JR COL **	57	0	0	0	0	57	0	0	0	0
POLK JR COL **	3	0	0	0	0	3	0	0	0	0
ROLLINS COL	90	0	0	0	0	90	0	0	0	0
SANTA FE JR COL **		0	0	0	0		0	0	0	0
SEMINOLE JR COL **	37	0	0	0	0	37	0	0	0	0
SOUTH FLORIDA JR COL**	7	0	0	0	0	7	0	0	0	0
SOUTH-EASTERN BIBLE COL	172	0	0	0	0	172	0	0	0	0
ST JOHNS RIVER JR COL **	40	0	0	0	0	40	0	0	0	0
ST JOSEPH COL OF FLORIDA **	36	0	0	0	0	36	0	0	0	0
ST LEO COL	33	0	0	0	0	31	0	0	2	0
ST PETERSBURG JR COL **	320	0	0	0	0	320	0	0	0	0
STETSON UNIV	362	0	0	0	17	337	0	0	8	0
TALLAHASSEE JR COL**	63	0	0	0	0	63	0	0	0	0
UNIV OF FLORIDA	41,504	3,395	445	0	1,850	31,425	329	487	2,663	910
UNIV OF MIAMI	23,330	0	330	89	2,367	15,390	505	375	3,859	415
UNIV OF SOUTH FLORIDA	2,161	0	0	0	35	1,589	0	10	272	255
UNIV OF TAMPA	10	0	0	0	0	10	0	0	0	0
UNIV OF WEST FLORIDA	206	0	0	0	0	186	0	0	20	0
VALENCIA JR COL **	1,136	0	0	0	0	1,136	0	0	0	0
WEBBER COL **	3	0	0	0	0	3	0	0	0	0
TOTAL FLORIDA	92,320	3,415	2,013	118	6,374	65,630	834	1,110	11,049	1,777
GEORGIA										
ABRAHAM BALDWIN AGR COL **	269	0	0	0	0	255	0	0	14	0
ALBANY JR COL **	81	0	0	0	0	67	0	0	14	0
ALBANY STATE COL	317	0	0	0	0	303	0	0	14	0
ANDREW COL **	13	0	0	0	0	13	0	0	0	0
ARMSTRONG STATE COL	145	0	0	0	0	137	0	0	8	0
ATLANTA BAPTIST COLLEGE	58	0	0	0	0	58	0	0	0	0
ATLANTA SCH OF ART	3	0	0	0	0	3	0	0	0	0
ATLANTA UNIV	1,425	8	0	0	0	889	0	0	163	365
AUGUSTA COL	93	0	0	0	0	85	0	0	8	0
BERRY COL	185	0	0	0	0	169	0	0	16	0
BREWTON-PARKER COL **	50	0	0	0	0	50	0	0	0	0
BRUNSWICK JR COL **	739	0	0	0	0	736	0	0	3	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
GEORGIA										
CLARK COL	1,266	0	0	0	0	1,221	0	0	45	0
CLAYTON JUNIOR COLLEGE **	49	0	0	0	0	49	0	0	0	0
COLUMBUS COL	82	0	0	0	0	80	0	0	2	0
COVENANT COL	90	0	0	0	0	90	0	0	0	0
DALTON JR COL **	453	0	0	0	0	453	0	0	0	0
DEKALB COL **	61	0	0	0	0	61	0	0	0	0
EMMANUEL COL **	28	0	0	0	0	28	0	0	0	0
EMORY UNIV	14,110	0	76	0	163	12,754	0	345	508	264
FORT VALLEY STATE COL	612	35	0	0	0	563	0	0	14	0
GA COL AT MILLEDGEVILLE	143	0	0	0	0	113	0	0	30	0
GAINESVILLE JR COL **	300	0	0	0	0	300	0	0	0	0
GEORGIA INST OF TECH	7,438	10	344	175	3,289	1,199	201	948	1,164	108
GEORGIA SOUTHERN COL	495	0	0	0	0	437	0	0	58	0
GEORGIA SOUTHWESTERN COL	356	0	0	0	0	342	0	0	14	0
GEORGIA STATE UNIVERSITY	663	0	0	0	26	485	0	0	147	5
GORDON MILITARY COL **	26	0	0	0	0	26	0	0	0	0
KENNESAW JR COL **	8	0	0	0	0	8	0	0	0	0
LA GRANGE COL	64	0	0	0	0	64	0	0	0	0
MACON JR COL **	23	0	0	0	0	20	0	0	3	0
MEDICAL COL OF GEORGIA	3,670	0	23	0	60	3,550	0	0	37	0
MERCER UNIV	1,601	0	0	0	0	1,601	0	0	0	0
MIDDLE GEORGIA COL **	182	0	0	0	0	175	0	0	7	0
MOREHOUSE COL	757	0	0	0	0	735	0	0	22	0
MORRIS BROWN COL	955	0	0	0	0	881	0	0	74	0
NORMAN COL **	106	0	0	0	0	106	0	0	0	0
NORTH GEORGIA COL	125	0	0	0	0	125	0	0	0	0
OGLETHORPE COL	97	0	0	0	0	50	0	0	47	0
PAINE COL	729	0	0	0	0	727	0	0	2	0
PIEDMONT COL	66	0	0	0	0	66	0	0	0	0
REINHARDT COL **	51	0	0	0	0	51	0	0	0	0
SAVANNAH STATE COL	417	0	0	0	0	403	0	0	14	0
SHORTER COL	24	0	0	0	0	17	0	0	7	0
SOUTH GEORGIA COL **	139	0	0	0	0	135	0	0	4	0
SPELMAN COL	634	0	0	0	0	634	0	0	0	0
TIFT COL	24	0	0	0	0	24	0	0	0	0
TOCCOA FALLS INST	59	0	0	0	0	59	0	0	0	0
UNIV OF GEORGIA	16,825	6,058	649	70	459	4,935	252	25	4,366	11
UNIV SYSTEM OF GEORGIA	233	0	0	0	0	0	0	0	233	0
VALDOSTA ST COL	318	0	0	0	0	304	0	0	14	0
WESLEYAN COL	14	0	0	0	0	14	0	0	0	0
WEST GEORGIA COL	467	0	0	0	0	429	0	0	38	0
TOTAL GEORGIA	57,138	6,111	1,092	245	3,997	36,079	453	1,318	7,090	753
HAWAII										
CHAMINADE COL OF HONOLULU	43	0	0	0	0	43	0	0	0	0
HAWAII LOA COLLEGE	3	0	0	0	0	3	0	0	0	0
HAWAII PACIFIC COLLEGE	22	0	0	0	0	22	0	0	0	0
HONOLULU BUSINESS COL **	11	0	0	0	0	11	0	0	0	0
MAUNAOLU COL	33	0	0	0	0	33	0	0	0	0
UNIV OF HAWAII	18,682	1,123	555	107	2,169	9,301	129	1,103	4,195	0
TOTAL HAWAII	18,794	1,123	555	107	2,169	9,413	129	1,103	4,195	0
IDAHO										
BOISE STATE COLLEGE	378	0	0	0	0	378	0	0	0	0
COL OF IDAHO	212	0	0	0	0	183	0	0	29	0
COL OF SOUTHERN IDAHO **	356	0	0	0	0	352	0	0	4	0

KENNESAW JR COL **	8	0	0	0	0	8	0	0	0	0
LA GRANGE COL	64	0	0	0	0	64	0	0	0	0
MACON JR COL **	23	0	0	0	0	20	0	0	3	0
MEDICAL COL OF GEORGIA	3,670	0	23	0	60	3,550	0	0	37	0
MERCER UNIV	1,601	0	0	0	0	1,601	0	0	0	0
MIDDLE GEORGIA COL**	182	0	0	0	0	175	0	0	7	0
MOREHOUSE COL	757	0	0	0	0	735	0	0	22	0
MORRIS BROWN COL	955	0	0	0	0	881	0	0	74	0
NORMAN COL **	106	0	0	0	0	106	0	0	0	0
NORTH GEORGIA COL	125	0	0	0	0	125	0	0	0	0
OGLETHORPE COL	97	0	0	0	0	50	0	0	47	0
PAINE COL	729	0	0	0	0	727	0	0	2	0
PIEDMONT COL	66	0	0	0	0	66	0	0	0	0
REINHARDT COL **	51	0	0	0	0	51	0	0	0	0
SAVANNAH STATE COL	417	0	0	0	0	403	0	0	14	0
SHORTER COL	24	0	0	0	0	17	0	0	7	0
SOUTH GEORGIA COL**	139	0	0	0	0	135	0	0	4	0
SPELMAN COL	634	0	0	0	0	634	0	0	0	0
TIFT COL	24	0	0	0	0	24	0	0	0	0
TOCCOA FALLS INST	59	0	0	0	0	59	0	0	0	0
UNIV OF GEORGIA	16,825	6,058	649	70	459	4,935	252	25	4,366	11
UNIV SYSTEM OF GEORGIA	233	0	0	0	0	0	0	0	233	0
VALDOSTA ST COL	318	0	0	0	0	304	0	0	14	0
WESLEYAN COL	14	0	0	0	0	14	0	0	0	0
WEST GEORGIA COL	467	0	0	0	0	429	0	0	38	0
TOTAL GEORGIA	57,138	6,111	1,092	245	3,997	36,079	453	1,318	7,090	753
HAWAII										
CHAMINADE COL OF HONOLULU	43	0	0	0	0	43	0	0	0	0
HAWAII LOA COLLEGE	3	0	0	0	0	3	0	0	0	0
HAWAII PACIFIC COLLEGE	22	0	0	0	0	22	0	0	0	0
HONOLULU BUSINESS COL**	11	0	0	0	0	11	0	0	0	0
MAUNAOLU COL	33	0	0	0	0	33	0	0	0	0
UNIV OF HAWAII	18,682	1,123	555	107	2,169	9,301	129	1,103	4,195	0
TOTAL HAWAII	18,794	1,123	555	107	2,169	9,413	129	1,103	4,195	0
IDAHO										
BOISE STATE COLLEGE	378	0	0	0	0	378	0	0	0	0
COL OF IDAHO	212	0	0	0	0	183	0	0	29	0
COL OF SOUTHERN IDAHO **	356	0	0	0	0	352	0	0	4	0
IDAHO STATE UNIV	1,294	0	26	0	0	1,143	0	0	125	0
LEWIS-CLARK NORMAL SCHOOL	50	0	0	29	0	21	0	0	0	0
NORTH IDAHO JR COL **	20	0	0	0	0	20	0	0	0	0
NORTHWEST NAZARENE COL	242	0	0	0	0	209	0	0	33	0
UNIV OF IDAHO	2,932	1,700	6	0	54	347	281	24	520	0
TOTAL IDAHO	5,484	1,700	32	29	54	2,653	281	24	711	0
ILLINOIS										
AUGUSTANA COL	128	0	0	0	0	117	0	0	11	0
AURORA COL	39	0	0	0	0	39	0	0	0	0
BARAT COLLEGE	365	0	0	0	0	365	0	0	0	0
BELLEVILLE JR COL **	28	0	0	0	0	28	0	0	0	0
BLACK HAWK COL **	45	0	0	0	0	45	0	0	0	0
BLACKBURN COL	43	0	0	0	0	37	0	0	6	0
BRADLEY UNIV	355	0	0	0	0	330	0	1	24	0
CARL SANDBURG COL **	9	0	0	0	0	9	0	0	0	0
CENTRAL YMCA COMM COL **	1,226	0	0	0	0	1,226	0	0	0	0
CHICAGO COL OF OSTEOPATHY	592	0	0	0	0	592	0	0	0	0
CHICAGO MEDICAL SCHOOL	1,676	0	0	0	15	1,661	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
ILLINOIS										
CHICAGO STATE COL	285	0	0	0	0	285	0	0	0	0
CITY COLLEGES OF CHICAGO **	2,615	0	0	0	0	2,598	0	0	17	0
COL OF DU PAGE **	63	0	0	0	0	63	0	0	0	0
COL OF JEWISH STUDIES	3	0	0	0	0	3	0	0	0	0
COL OF ST FRANCIS	16	0	0	0	0	16	0	0	0	0
COLLEGE OF LAKE COUNTY **	67	0	0	0	0	67	0	0	0	0
COLUMBIA COL	13	0	0	0	0	13	0	0	0	0
CONCORDIA TCHRS COL	31	0	0	0	0	31	0	0	0	0
CONCORDIA THEOL SEM	5	0	0	0	0	5	0	0	0	0
DANVILLE JR COL **	75	0	0	0	0	75	0	0	0	0
DEPAUL UNIV	1,008	0	0	0	0	901	0	0	107	0
EASTERN ILLINOIS UNIV	530	0	0	0	0	411	0	0	119	0
ELGIN COMM COL **	35	0	0	0	0	35	0	0	0	0
ELMHURST COL	85	0	0	0	0	73	0	0	12	0
EUREKA COL	94	0	0	0	0	92	0	0	2	0
GARRETT BIBLICAL INST	9	0	0	0	0	9	0	0	0	0
GEORGE WILLIAMS COL	121	0	0	0	0	121	0	0	0	0
GREENVILLE COL	169	0	0	0	0	77	0	0	92	0
HEBREW THEOL COL	32	0	0	0	0	32	0	0	0	0
HIGHLAND COMM COL **	35	0	0	0	0	35	0	0	0	0
ILL COL OF PODIATRIC MED	236	0	0	0	0	236	0	0	0	0
ILLINOIS CENTRAL COL **	63	0	0	0	0	63	0	0	0	0
ILLINOIS COL	47	0	0	0	0	45	0	0	2	0
ILLINOIS COL OF OPTOMETRY	458	0	0	0	0	458	0	0	0	0
ILLINOIS INST OF TECH	7,408	0	149	0	1,950	3,603	34	159	1,513	0
ILLINOIS ST UNIV	1,218	0	0	0	23	968	0	0	129	98
ILLINOIS VALLEY COM COLL **	9	0	0	0	0	9	0	0	0	0
ILLINOIS WESLEYAN UNIV	147	0	0	0	0	145	0	0	2	0
JOHN A LOGAN COLLEGE **	12	0	0	0	0	12	0	0	0	0
JOLIET JR COL **	30	0	0	0	0	30	0	0	0	0
JUDSON COL	38	0	0	0	0	38	0	0	0	0
KANKAKEE COMMUNITY COL **	15	0	0	0	0	15	0	0	0	0
KASKASKIA COL **	29	0	0	0	0	29	0	0	0	0
KENDALL COL **	140	0	0	0	0	135	0	0	5	0
KISHWAUKEE COL **	21	0	0	0	0	21	0	0	0	0
KNOX COL	563	0	0	0	0	46	0	0	517	0
LAKE FOREST COL	230	0	0	0	0	117	0	0	113	0
LAKE LAND COL **	325	0	0	0	0	325	0	0	0	0
LEWIS COL	129	0	0	0	0	119	0	0	10	0
LINCOLN CHRISTIAN COL	15	0	0	0	0	15	0	0	0	0
LINCOLN COL **	15	0	0	0	0	15	0	0	0	0
LINCOLN LAND JR COLLEGE **	1,017	0	0	0	0	1,017	0	0	0	0
LOYOLA UNIV	5,149	0	59	0	55	4,975	0	0	60	0
MACCORMAC COL **	13	0	0	0	0	13	0	0	0	0
MACMURRAY COL	197	0	3	0	0	164	0	0	30	0
MARYKNOLL COL	13	0	0	0	0	13	0	0	0	0
MCCORMICK THEOL SEM	8	0	0	0	0	8	0	0	0	0
MCHENRY COUNTY COL **	26	0	0	0	0	24	0	0	2	0
MCKENDREE COL	52	0	0	0	0	52	0	0	0	0
MILLIKIN UNIV	501	0	0	0	0	501	0	0	0	0
MONMOUTH COL	84	0	0	0	0	67	0	0	17	0

EUREKA COL	94	0	0	0	0	92	0	0	2	0
GARRETT BIBLICAL INST	9	0	0	0	0	9	0	0	0	0
GEORGE WILLIAMS COL	121	0	0	0	0	121	0	0	0	0
GREENVILLE COL	169	0	0	0	0	77	0	0	92	0
HEBREW THEOL COL	32	0	0	0	0	32	0	0	0	0
HIGHLAND COMM COL **	35	0	0	0	0	35	0	0	0	0
ILL COL OF PODIATRIC MED	236	0	0	0	0	236	0	0	0	0
ILLINOIS CENTRAL COL**	63	0	0	0	0	63	0	0	0	0
ILLINOIS COL	47	0	0	0	0	45	0	0	2	0
ILLINOIS COL OF OPTOMETRY	458	0	0	0	0	458	0	0	0	0
ILLINOIS INST OF TECH	7,408	0	149	0	1,950	3,603	34	159	1,513	0
ILLINOIS ST UNIV	1,218	0	0	0	23	968	0	0	129	98
ILLINOIS VALLEY COM COLL**	9	0	0	0	0	9	0	0	0	0
ILLINOIS WESLEYAN UNIV	147	0	0	0	0	145	0	0	2	0
JOHN A LOGAN COLLEGE **	12	0	0	0	0	12	0	0	0	0
JOLIET JR COL **	30	0	0	0	0	30	0	0	0	0
JUDSON COL	38	0	0	0	0	38	0	0	0	0
KANKAKEE COMMUNITY COL **	15	0	0	0	0	15	0	0	0	0
KASKASKIA COL **	29	0	0	0	0	29	0	0	0	0
KENDALL COL **	140	0	0	0	0	135	0	0	5	0
KISHWAUKEE COL**	21	0	0	0	0	21	0	0	0	0
KNOX COL	563	0	0	0	0	46	0	0	517	0
LAKE FOREST COL	230	0	0	0	0	117	0	0	113	0
LAKE LAND COL **	325	0	0	0	0	325	0	0	0	0
LEWIS COL	129	0	0	0	0	119	0	0	10	0
LINCOLN CHRISTIAN COL	15	0	0	0	0	15	0	0	0	0
LINCOLN COL **	15	0	0	0	0	15	0	0	0	0
LINCOLN LAND JR COLLEGE**	1,017	0	0	0	0	1,017	0	0	0	0
LOYOLA UNIV	5,149	0	59	0	55	4,975	0	0	60	0
MACCORMAC COL**	13	0	0	0	0	13	0	0	0	0
MACMURRAY COL	197	0	3	0	0	164	0	0	30	0
MARYKNOLL COL	13	0	0	0	0	13	0	0	0	0
MCCORMICK THEOL SEM	8	0	0	0	0	8	0	0	0	0
MCHENRY COUNTY COL **	26	0	0	0	0	24	0	0	2	0
MCKENDREE COL	52	0	0	0	0	52	0	0	0	0
MILLIKIN UNIV	501	0	0	0	0	501	0	0	0	0
MONMOUTH COL	84	0	0	0	0	67	0	0	17	0
MORAINE VALLEY COMM COLL**	35	0	0	0	0	35	0	0	0	0
MORTON JR COL**	48	0	0	0	0	48	0	0	0	0
MUNDELEIN COL	158	0	0	0	0	146	0	0	12	0
NAT COL OF EDUCATION	73	0	0	0	0	73	0	0	0	0
NORTH CENTRAL COL	71	0	0	0	0	64	0	0	7	0
NORTH PARK COL THEOL SEM	60	0	0	0	0	60	0	0	0	0
NORTHEASTERN ILL ST COL	1,082	0	0	0	0	1,071	0	0	11	0
NORTHERN ILLINOIS UNIV	2,270	0	0	0	58	1,707	0	0	505	0
NORTHWESTERN UNIV	18,457	2	240	0	1,488	11,435	20	1,038	3,998	236
OLIVET NAZARENE COL	144	0	0	0	0	144	0	0	0	0
OLNEY CENTRAL COLLEGE**	58	0	0	0	0	54	0	0	4	0
PARKLAND COL **	426	0	0	0	0	426	0	0	0	0
PRAIRIE STATE COL **	125	0	0	0	0	125	0	0	0	0
QUINCY COL	119	0	0	0	0	97	0	0	22	0
REND LAKE COL **	12	0	0	0	0	12	0	0	0	0
ROBERT MORRIS COL**	17	0	0	0	0	17	0	0	0	0
ROCK VALLEY COL**	82	0	0	0	0	82	0	0	0	0
ROOSEVELT UNIV	560	0	0	0	0	418	0	0	142	0
ROSARY COL	224	0	0	0	0	216	0	0	8	0
SAUK VALLEY COL**	115	0	0	0	0	115	0	0	0	0
SCHOOLS OF THE ART INST	66	0	0	0	0	66	0	0	0	0
SHAWNEE JUNIOR COLLEGE **	56	0	0	0	0	56	0	0	0	0
SHIMER COL	12	0	0	0	0	12	0	0	0	0
SOUTHEASTERN ILLINOIS COL**	5	0	0	0	0	5	0	0	0	0
SOUTHERN ILL U-CARBONDALE	2,740	36	0	0	0	2,217	13	1	445	28
SOUTHN ILL U-EDWARDSVILLE	707	0	0	0	0	541	0	0	166	0
SPOON RIVER COLLEGE **	3	0	0	0	0	2	0	0	1	0
SPRINGFIELD COL IN ILL **	3	0	0	0	0	3	0	0	0	0
ST MARY OF THE LAKE SEM	19	0	0	0	0	19	0	0	0	0
ST PROCOPIUS COL	153	0	8	0	0	55	0	0	12	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
ILLINOIS										
ST XAVIER COL	268	0	0	0	0	258	0	0	10	0
THORNTON COMMUNITY COL**	118	0	0	0	0	118	0	0	0	0
TOLENTINE COL	8	0	0	0	0	8	0	0	0	0
TRINITY CHRISTIAN COL	78	0	0	0	0	78	0	0	0	0
TRINITY COL	167	0	0	0	0	167	0	0	0	0
TRITON COL **	145	0	0	0	0	145	0	0	0	0
UNIV OF CHICAGO	29,597	0	5,017	125	1,610	23,655	75	2,807	6,230	78
UNIV OF ILL CEN SYS*	511	0	0	0	0	0	0	0	25	486
UNIV OF ILLINOIS-CHGO CIR	2,312	0	33	0	512	931	0	45	641	150
UNIV OF ILLINOIS-MED CTR	8,821	0	0	0	0	8,766	0	0	55	0
UNIV OF ILLINOIS-URBANA	43,198	5,429	4,247	0	12,878	11,312	408	782	7,801	341
WABASH VALLEY COL **	36	0	0	0	0	36	0	0	0	0
WAUBONSEE COMMUNITY COL **	5	0	0	0	0	5	0	0	0	0
WESTERN ILLINOIS UNIV	335	12	0	0	0	119	0	0	204	0
WHEATON COL	78	0	0	0	0	74	0	0	4	0
WILLIAM RAINEY HARPER COL**	81	0	0	0	0	81	0	0	0	0
WINSTON CHURCHILL COL **	11	0	0	0	0	11	0	0	0	0
TOTAL ILLINOIS	151,674	5,479	9,834	125	18,589	87,754	550	4,833	23,093	1,417
INDIANA										
ANCILLA DOMINI COL **	3	0	0	0	0	3	0	0	0	0
ANDERSON COL	270	0	0	0	0	270	0	0	0	0
BALL STATE UNIV	1,573	0	0	0	0	1,073	0	0	500	0
BETHEL COL	43	0	0	0	0	43	0	0	0	0
BUTLER UNIV	144	0	0	0	0	108	0	0	36	0
CHRISTIAN THEOL SEM	94	0	0	0	0	94	0	0	0	0
DEPAUW UNIV	196	0	0	0	0	120	13	0	63	0
EARLHAM COL	407	0	0	0	0	292	0	0	115	0
FORT WAYNE ART INSTITUTE	22	0	0	0	0	22	0	0	0	0
FRANKLIN COL	185	0	0	0	0	140	0	0	45	0
GOSHEN COL	245	0	0	0	0	245	0	0	0	0
GRACE THEOL SEM	109	0	0	0	0	109	0	0	0	0
HANOVER COL	4	0	0	0	0	0	0	0	4	0
HUNTINGTON COL	111	0	0	0	0	111	0	0	0	0
INDIANA CENTRAL COL	47	0	0	0	0	47	0	0	0	0
INDIANA INST OF TECH	76	0	0	0	0	42	0	0	34	0
INDIANA STATE UNIV	1,959	10	0	0	0	1,921	0	0	28	0
INDIANA UNIV-BLOOMINGTON	14,678	9	272	0	766	8,101	22	494	4,369	645
INDIANA UNIV-FORT WAYNE	6	0	0	0	0	6	0	0	0	0
INDIANA UNIV-INDIANAPOLIS	11,290	0	17	0	0	11,211	0	0	62	0
INDIANA UNIV-KOKOMO	10	0	0	0	0	10	0	0	0	0
INDIANA UNIV-NORTHWEST	121	0	0	0	0	113	0	0	8	0
INDIANA UNIV-SOUTH BEND	6	0	0	0	0	6	0	0	0	0
INDIANA UNIV-SOUTHEAST	12	0	0	0	0	12	0	0	0	0
MANCHESTER COL	139	0	0	0	0	127	0	0	12	0
MARIAN COL	260	0	0	0	0	260	0	0	0	0
MARION COL	231	0	0	0	0	231	0	0	0	0
OAKLAND CITY COL	42	0	0	0	0	42	0	0	0	0
PURDUE UNIV	23,490	5,625	1,682	100	2,222	7,907	260	711	4,585	398
ROSE POLYTECH INST	124	0	0	0	0	80	0	21	23	0
ST FRANCIS COL	40	0	0	0	0	40	0	0	0	0
ST JOSEPHS COL	198	0	0	0	0	188	0	0	10	0
ST MARY-OF-THE-WOODS COL	21	0	0	0	0	21	0	0	0	0
ST MARYS COL	99	0	0	0	0	97	0	0	2	0
ST MEINRAD COL	27	0	0	0	0	27	0	0	0	0
ST MEINRAD SCH - THEOLOGY	4	0	0	0	0	4	0	0	0	0

ANCILLA DOMINI COL **	3	0	0	0	0	3	0	0	0	0
ANDERSON COL	270	0	0	0	0	270	0	0	0	0
BALL STATE UNIV	1,573	0	0	0	0	1,073	0	0	500	0
BETHEL COL	43	0	0	0	0	43	0	0	0	0
BUTLER UNIV	144	0	0	0	0	108	0	0	36	0
CHRISTIAN THEOL SEM	94	0	0	0	0	94	0	0	0	0
DEPAUW UNIV	196	0	0	0	0	120	13	0	63	0
EARLHAM COL	407	0	0	0	0	292	0	0	115	0
FORT WAYNE ART INSTITUTE	22	0	0	0	0	22	0	0	0	0
FRANKLIN COL	185	0	0	0	0	140	0	0	45	0
GOSHEN COL	245	0	0	0	0	245	0	0	0	0
GRACE THEOL SEM	109	0	0	0	0	109	0	0	0	0
HANOVER COL	4	0	0	0	0	0	0	0	4	0
HUNTINGTON COL	111	0	0	0	0	111	0	0	0	0
INDIANA CENTRAL COL	47	0	0	0	0	47	0	0	0	0
INDIANA INST OF TECH	76	0	0	0	0	42	0	0	34	0
INDIANA STATE UNIV	1,959	10	0	0	0	1,921	0	0	28	0
INDIANA UNIV-BLOOMINGTON	14,678	9	272	0	766	8,101	22	494	4,369	645
INDIANA UNIV-FORT WAYNE	6	0	0	0	0	6	0	0	0	0
INDIANA UNIV-INDIANAPOLIS	11,290	0	17	0	0	11,211	0	0	62	0
INDIANA UNIV-KOKOMO	10	0	0	0	0	10	0	0	0	0
INDIANA UNIV-NORTHWEST	121	0	0	0	0	113	0	0	8	0
INDIANA UNIV-SOUTH BEND	6	0	0	0	0	6	0	0	0	0
INDIANA UNIV-SOUTHEAST	12	0	0	0	0	12	0	0	0	0
MANCHESTER COL	139	0	0	0	0	127	0	0	12	0
MARIAN COL	260	0	0	0	0	260	0	0	0	0
MARION COL	231	0	0	0	0	231	0	0	0	0
OAKLAND CITY COL	42	0	0	0	0	42	0	0	0	0
PURDUE UNIV	23,490	5,625	1,682	100	2,222	7,907	260	711	4,585	398
ROSE POLYTECH INST	124	0	0	0	0	80	0	21	23	0
ST FRANCIS COL	40	0	0	0	0	40	0	0	0	0
ST JOSEPHS COL	198	0	0	0	0	188	0	0	10	0
ST MARY-OF-THE-WOODS COL	21	0	0	0	0	21	0	0	0	0
ST MARYS COL	99	0	0	0	0	97	0	0	2	0
ST MEINRAD COL	27	0	0	0	0	27	0	0	0	0
ST MEINRAD SCH - THEOLOGY	4	0	0	0	0	4	0	0	0	0
TAYLOR UNIV	127	0	0	0	0	125	0	0	2	0
TRI-ST COL	261	0	0	0	0	254	0	0	7	0
UNIV OF EVANSVILLE	341	0	0	0	0	329	0	0	12	0
UNIV OF NOTRE DAME	5,386	0	1,661	0	394	2,057	0	97	1,177	0
VALPARAISO UNIV	421	0	0	0	0	260	0	0	161	0
VINCENNES UNIV **	548	0	0	0	0	548	0	0	0	0
WABASH COL	10	0	0	0	0	0	0	0	10	0
TOTAL INDIANA	63,380	5,644	3,632	100	3,382	36,696	295	1,323	11,265	1,043

IOWA

AMER INST OF BUSINESS	18	0	0	0	0	18	0	0	0	0
AQUINAS INSTITUTE	76	0	0	0	0	76	0	0	0	0
AREA SIX COMMUNITY COL **	248	0	0	0	0	248	0	0	0	0
BRIAR CLIFF COL	254	0	0	0	0	254	0	0	0	0
BUENA VISTA COL	131	0	0	0	0	129	0	0	2	0
CENTRAL COL	283	0	0	0	0	270	0	0	13	0
CLARKE COL	62	0	0	0	0	22	0	0	40	0
COE COL	171	0	0	0	0	135	0	0	36	0
COL OF OSTEOPATH MED SURG	818	0	0	0	0	818	0	0	0	0
CORNELL COL	63	0	0	0	0	42	0	0	21	0
DES MOINES AREA COMM COL **	12	0	0	0	0	12	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
IOWA										
DIVINE WORD COL	33	0	0	0	0	33	0	0	0	0
DORDT COL	167	0	0	0	0	154	0	0	13	0
DRAKE UNIV	733	0	0	0	0	530	0	0	203	0
EASTERN IOWA COMM COL**	458	0	0	0	0	458	0	0	0	0
GRACELAND COL	200	0	0	0	0	200	0	0	0	0
GRAND VIEW COL **	50	0	0	0	0	50	0	0	0	0
GRINNELL COL	92	0	0	0	0	58	0	0	34	0
INDIAN HILLS COMMUNITY CO **	3	0	0	0	0	3	0	0	0	0
IOWA CENTRAL COMM COL **	41	0	0	0	0	41	0	0	0	0
IOWA LAKES COMMUNITY COL**	489	0	0	0	0	489	0	0	0	0
IOWA ST U OF SCIENCE&TECH	10,963	4,729	55	0	604	3,603	459	37	967	509
IOWA WESLEYAN COL	98	0	0	0	0	83	0	0	15	0
IOWA WESTERN COMM COL **	58	0	0	0	0	58	0	0	0	0
KIRKWOOD COMMUNITY COLL **	82	0	0	0	0	68	0	0	14	0
LORAS COL	198	0	0	0	0	184	0	0	14	0
LUTHER COL	545	0	0	0	0	497	0	0	48	0
MARYCREST COL	173	0	0	0	0	160	0	0	13	0
MIDWESTERN COL	61	0	0	0	0	61	0	0	0	0
MORNINGSIDE COL	213	0	0	0	0	213	0	0	0	0
MT MERCY COL	63	0	0	0	0	63	0	0	0	0
MT ST CLARE COL **	10	0	0	0	0	10	0	0	0	0
NORTH IOWA AREA COMM COL **	117	0	0	0	0	117	0	0	0	0
NORTHWESTERN COL	118	0	0	0	0	118	0	0	0	0
OTTUMWA HEIGHTS COL **	67	0	0	0	0	67	0	0	0	0
PALMER JR COL **	4	0	0	0	0	4	0	0	0	0
PARSONS COL	47	0	0	0	0	47	0	0	0	0
SIMPSON COL	146	0	0	0	0	140	0	0	6	0
SOUTHEASTERN IOWA COM COL **	35	0	0	0	0	35	0	0	0	0
SOUTHWESTERN COMM COLLEGE **	23	0	0	0	0	23	0	0	0	0
ST AMBROSE COL	57	0	0	0	0	54	0	0	3	0
UNIV OF DUBUQUE	84	0	0	0	0	80	0	0	4	0
UNIV OF IOWA	20,410	11	95	0	1,086	15,239	88	1,904	1,841	146
UNIV OF NORTHERN IOWA	1,398	0	5	0	0	1,036	0	0	357	0
UPPER IOWA UNIV	120	0	0	0	0	120	0	0	0	0
VENNARD COL	74	0	0	0	0	74	0	0	0	0
WALDORF COL**	104	0	0	0	0	104	0	0	0	0
WARTBURG COL	159	0	0	0	0	157	0	0	2	0
WESTMAR COL	130	0	0	0	0	128	0	0	2	0
WILLIAM PENN COL	37	0	0	0	0	37	0	0	0	0
TOTAL IOWA	39,996	4,740	155	0	1,690	26,620	547	1,941	3,648	655
KANSAS										
ALLEN COUNTY COMM JR COL **	16	0	0	0	0	16	0	0	0	0
BAKER UNIV	35	0	0	0	0	35	0	0	0	0
BARTON CNTY COMM JR COL **	46	0	0	0	0	46	0	0	0	0
BETHANY COL	45	0	0	0	0	43	0	0	2	0
BETHEL COL	336	0	0	0	0	322	0	0	12	0

IOWA WESTERN COMM COL	58	0	0	0	0	58	0	0	0	0
KIRKWOOD COMMUNITY COLL **	82	0	0	0	0	68	0	0	14	0
LORAS COL	198	0	0	0	0	184	0	0	14	0
LUTHER COL	545	0	0	0	0	497	0	0	48	0
MARYCREST COL	173	0	0	0	0	160	0	0	13	0
MIDWESTERN COL	61	0	0	0	0	61	0	0	0	0
MORNINGSIDE COL	213	0	0	0	0	213	0	0	0	0
MT MERCY COL	63	0	0	0	0	63	0	0	0	0
MT ST CLARE COL **	10	0	0	0	0	10	0	0	0	0
NORTH IOWA AREA COMM COL **	117	0	0	0	0	117	0	0	0	0
NORTHWESTERN COL	118	0	0	0	0	118	0	0	0	0
OTTUMWA HEIGHTS COL **	67	0	0	0	0	67	0	0	0	0
PALMER JR COL **	4	0	0	0	0	4	0	0	0	0
PARSONS COL	47	0	0	0	0	47	0	0	0	0
SIMPSON COL	146	0	0	0	0	140	0	0	6	0
SOUTHEASTERN IOWA COM COL **	35	0	0	0	0	35	0	0	0	0
SOUTHWESTERN COMM COLLEGE **	23	0	0	0	0	23	0	0	0	0
ST AMBROSE COL	57	0	0	0	0	54	0	0	3	0
UNIV OF DUBUQUE	84	0	0	0	0	80	0	0	4	0
UNIV OF IOWA	20,410	11	95	0	1,086	15,239	88	1,904	1,841	146
UNIV OF NORTHERN IOWA	1,398	0	5	0	0	1,036	0	0	357	0
UPPER IOWA UNIV	120	0	0	0	0	120	0	0	0	0
VENNARD COL	74	0	0	0	0	74	0	0	0	0
WALDORF COL**	104	0	0	0	0	104	0	0	0	0
WARTBURG COL	159	0	0	0	0	157	0	0	2	0
WESTMAR COL	130	0	0	0	0	128	0	0	2	0
WILLIAM PENN COL	37	0	0	0	0	37	0	0	0	0
TOTAL IOWA	39,996	4,740	155	0	1,690	26,620	547	1,941	3,648	655
KANSAS										
ALLEN COUNTY COMM JR COL **	16	0	0	0	0	16	0	0	0	0
BAKER UNIV	35	0	0	0	0	35	0	0	0	0
BARTON CNTY COMM JR COL **	46	0	0	0	0	46	0	0	0	0
BETHANY COL	45	0	0	0	0	43	0	0	2	0
BETHEL COL	334	0	0	0	0	322	0	0	12	0
BUTLER COUNTY COMM JR COL **	38	0	0	0	0	38	0	0	0	0
CENTRAL COL **	50	0	0	0	0	50	0	0	0	0
CLOUD COUNTY COMM JR COL **	41	0	0	0	0	41	0	0	0	0
COFFEYVILLE COMM JR COL **	37	0	0	0	0	37	0	0	0	0
COL OF EMPORIA	45	0	0	0	0	45	0	0	0	0
COLBY COMM JR COL **	29	0	0	0	0	29	0	0	0	0
COWLEY COUNTY COMM JR COL **	15	0	0	0	0	15	0	0	0	0
DODGE CITY COMM JR COL **	168	0	0	0	0	168	0	0	0	0
DONNELLY COL **	13	0	0	0	0	13	0	0	0	0
FORT HAYS KANSAS ST COL	550	0	0	0	0	477	0	0	73	0
FORT SCOTT COMM JR COL **	28	0	0	0	0	28	0	0	0	0
FRIENDS UNIV	129	0	0	0	0	127	0	0	2	0
GARDEN CITY COMM JR COL **	7	0	0	0	0	7	0	0	0	0
HESSTON COL **	161	0	0	0	0	161	0	0	0	0
HIGHLAND COMM JR COL **	15	0	0	0	0	15	0	0	0	0
HUTCHINSON COMM JR COL **	25	0	0	0	0	25	0	0	0	0
INDEPENDENCE COMM JR COL **	231	0	0	0	0	228	0	0	3	0
JOHNSON CO COMMUNITY COLL **	371	0	0	0	0	371	0	0	0	0
KANS CITY KANS COM JR COL **	11	0	0	0	0	11	0	0	0	0
KANS ST COL OF PITTSBURG	478	0	0	0	0	372	0	0	106	0
KANSAS STATE TCHRS COL	879	0	0	0	0	641	0	0	238	0
KANSAS STATE UNIV	8,880	3,078	434	0	600	3,108	215	54	1,189	202
KANSAS TECHNICAL INST **	15	0	0	0	0	15	0	0	0	0
KANSAS WESLEYAN UNIV	67	0	0	0	0	67	0	0	0	0
LABETTE COMM JR COL **	10	0	0	0	0	10	0	0	0	0
MANHATTAN BIBLE COL	15	0	0	0	0	15	0	0	0	0
MARYMOUNT COL	216	0	0	0	0	216	0	0	0	0
MCPHERSON COL	38	0	0	0	0	38	0	0	0	0
MID-AMERICAN NAZARENE COL	35	0	0	0	0	35	0	0	0	0
MILTONVALE WESLEYAN COL	17	0	0	0	0	17	0	0	0	0
MOUNT ST SCHOLASTICA COL	226	0	0	0	0	226	0	0	0	0
NEOSHO COUNTY COMM JR COL **	14	0	0	0	0	14	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
KANSAS										
OTTAWA UNIV	162	0	0	0	0	160	0	0	2	0
PRATT COMM JR COL **	29	0	0	0	0	29	0	0	0	0
SACRED HEART COL	341	0	0	0	0	341	0	0	0	0
SEWARD CO COMMUNTY JR COL **	22	0	0	0	0	22	0	0	0	0
SOUTHWESTERN COL	56	0	0	0	0	56	0	0	0	0
ST BENEDICTS COL	81	0	0	0	0	65	0	0	16	0
ST JOHNS COL **	5	0	0	0	0	5	0	0	0	0
ST MARY COL	71	0	0	0	0	71	0	0	0	0
ST MARY OF THE PLAINS COL	65	0	0	0	0	65	0	0	0	0
STERLING COL	53	0	0	0	0	51	0	0	2	0
TABOR COL	93	0	0	0	0	90	0	0	3	0
UNIV OF KANSAS	14,145	1	453	0	623	10,696	124	515	1,563	170
WASHBURN UNIV OF TOPEKA	313	0	0	0	0	243	0	0	70	0
WICHITA STATE UNIV	963	0	23	0	0	878	0	0	62	0
TOTAL KANSAS	29,729	3,079	910	0	1,223	19,894	339	569	3,343	372
KENTUCKY										
ALICE LLOYD COL **	422	0	0	0	0	420	0	0	2	0
ASBURY COL	81	0	0	0	0	55	0	0	26	0
ASBURY THEOL SEM	19	0	0	0	0	19	0	0	0	0
BELLARMINE-URSULINE COL	384	0	0	0	13	350	0	0	21	0
BEREA COL	445	0	0	0	0	408	0	0	1	36
BRESCIA COL	78	0	0	0	0	76	0	0	2	0
CAMPBELLSVILLE COL	164	0	0	0	0	162	0	0	2	0
CENTRE COL OF KENTUCKY	76	0	0	0	0	59	0	0	17	0
CUMBERLAND COL	258	0	0	0	0	258	0	0	0	0
EASTERN KENTUCKY UNIV	1,670	0	0	0	0	1,088	0	0	54	528
GEORGETOWN COL	133	0	0	0	0	127	0	0	6	0
HAZARD COUNTY COLLEGE	148	0	0	0	0	148	0	0	0	0
KENTUCKY STATE COL	273	19	0	0	0	244	0	0	10	0
KENTUCKY WESLEYAN COL	21	0	0	0	0	21	0	0	0	0
LEES JR COL **	668	0	0	0	0	668	0	0	0	0
LOUISVILLE PRES THEOL SEM	7	0	0	0	0	7	0	0	0	0
MADISONVILLE COMM COLLEGE **	3	0	0	0	0	3	0	0	0	0
MIDWAY JR COL **	137	0	0	0	0	137	0	0	0	0
MOREHEAD STATE UNIV	1,821	0	6	0	0	1,564	0	0	50	201
MURRAY STATE UNIV	945	0	0	0	0	798	0	0	147	0
PIKEVILLE COL	75	0	0	0	0	75	0	0	0	0
SOUTHEASTN CHRISTIAN COL **	14	0	0	0	0	14	0	0	0	0
SPALDING COLLEGE	252	0	0	0	0	252	0	0	0	0
ST CATHERINE COL **	25	0	0	0	0	25	0	0	0	0
SUE BENNETT COL **	3	0	0	0	0	3	0	0	0	0
THOMAS MORE COL	160	0	0	0	0	87	0	0	73	0
TRANSYLVANIA UNIVERSITY	116	0	0	0	0	116	0	0	0	0
UNION COL	299	0	0	0	0	299	0	0	0	0
UNIV OF KENTUCKY	16,863	6,269	93	123	856	8,020	211	279	969	43
UNIV OF LOUISVILLE	5,561	0	0	0	267	5,035	0	0	182	77
WESTERN KENTUCKY UNIV	918	0	0	0	0	905	0	0	13	0
TOTAL KENTUCKY	32,039	6,288	99	123	1,136	21,443	211	279	1,575	885

KENTUCKY										
ALICE LLOYD COL **	422	0	0	0	0	420	0	0	2	0
ASBURY COL	81	0	0	0	0	55	0	0	26	0
ASBURY THEOL SEM	19	0	0	0	0	19	0	0	0	0
BELLARMINE-URSULINE COL	384	0	0	0	13	350	0	0	21	0
BEREA COL	445	0	0	0	0	408	0	0	1	36
BRESCIA COL	78	0	0	0	0	76	0	0	2	0
CAMPBELLSVILLE COL	164	0	0	0	0	162	0	0	2	0
CENTRE COL OF KENTUCKY	76	0	0	0	0	59	0	0	17	0
CUMBERLAND COL	258	0	0	0	0	258	0	0	0	0
EASTERN KENTUCKY UNIV	1,670	0	0	0	0	1,088	0	0	54	528
GEORGETOWN COL	133	0	0	0	0	127	0	0	6	0
HAZARD COUNTY COLLEGE	148	0	0	0	0	148	0	0	0	0
KENTUCKY STATE COL	273	19	0	0	0	244	0	0	10	0
KENTUCKY WESLEYAN COL	21	0	0	0	0	21	0	0	0	0
LEES JR COL **	668	0	0	0	0	668	0	0	0	0
LOUISVILLE PRES THEOL SEM	7	0	0	0	0	7	0	0	0	0
MADISONVILLE COMM COLLEGE **	3	0	0	0	0	3	0	0	0	0
MIDWAY JR COL **	137	0	0	0	0	137	0	0	0	0
MOREHEAD STATE UNIV	1,821	0	6	0	0	1,564	0	0	50	201
MURRAY STATE UNIV	945	0	0	0	0	798	0	0	147	0
PIKEVILLE COL	75	0	0	0	0	75	0	0	0	0
SOUTHEASTN CHRISTIAN COL **	14	0	0	0	0	14	0	0	0	0
SPALDING COLLEGE	252	0	0	0	0	252	0	0	0	0
ST CATHERINE COL**	25	0	0	0	0	25	0	0	0	0
SUE BENNETT COL **	3	0	0	0	0	3	0	0	0	0
THOMAS MORE COL	160	0	0	0	0	87	0	0	73	0
TRANSYLVANIA UNIVERSITY	116	0	0	0	0	116	0	0	0	0
UNION COL	299	0	0	0	0	299	0	0	0	0
UNIV OF KENTUCKY	16,863	6,269	93	123	856	8,020	211	279	969	43
UNIV OF LOUISVILLE	5,561	0	0	0	267	5,035	0	0	182	77
WESTERN KENTUCKY UNIV	918	0	0	0	0	905	0	0	13	0
TOTAL KENTUCKY	32,039	6,288	99	123	1,136	21,443	211	279	1,575	885
LOUISIANA										
CENTENARY COLL OF LOUIS	60	0	0	0	0	49	0	0	11	0
DELGADO COL **	314	0	0	0	0	301	0	0	13	0
DILLARD UNIV	788	0	0	0	0	741	0	0	47	0
FRANCIS T NICHOLLS ST COL	319	0	0	0	0	146	0	0	173	0
GRAMBLING COL	1,254	0	0	0	0	1,101	0	27	126	0
LA ST UNIV BATON ROUGE	11,648	4,028	217	0	784	1,901	144	615	3,939	20
LA ST UNIV NEW ORLEANS	1,388	0	0	0	116	1,063	0	25	135	49
LA ST UNIV MEDICAL CTR	2,915	0	0	0	0	2,888	0	0	27	0
LA ST UNIV MEDICAL CTR	86	0	0	0	0	86	0	0	0	0
LOUISIANA COL	66	0	0	0	0	66	0	0	0	0
LOUISIANA TECH UNIVERSITY	737	34	6	0	0	600	0	0	97	0
LOYOLA UNIV	616	0	0	0	0	371	0	0	245	0
LSU CENTRAL SYSTEM*	645	0	0	0	17	628	0	0	0	0
MCNEESE STATE COL	281	0	0	0	0	246	0	0	35	0
NORTHEAST LOUISIANA UNIV	1,530	0	0	0	0	1,229	0	0	301	0
NORTHWESTERN ST COL OF LA	568	0	0	0	0	515	0	0	53	0
SAINT BERNARD PARISH CC **	500	0	0	0	0	500	0	0	0	0
SOUTHEASTERN LA COL	226	0	0	0	0	202	0	0	24	0
SOUTHERN UNIV	2,730	31	0	130	0	2,208	0	0	123	238
ST JOSEPH SEM	10	0	0	0	0	10	0	0	0	0
ST MARYS DOMINICAN COL	42	0	0	0	0	42	0	0	0	0
TULANE UNIV	13,445	0	77	0	247	12,040	23	48	908	102
UNIV OF SOUTHWESTERN LA	524	0	0	0	0	476	31	0	17	0
XAVIER U OF LOUISIANA	1,372	0	0	0	0	1,359	0	0	13	0
TOTAL LOUISIANA	42,064	4,093	300	130	1,164	28,768	198	715	6,287	409
MAINE										
ARDOSTOCK STATE COL	55	0	0	0	0	55	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MAINE										
BATES COL	64	0	0	0	0	62	0	0	2	0
BOWDOIN COL	688	0	0	0	16	336	0	0	336	0
COLBY COL	156	0	0	0	10	51	0	0	95	0
FARMINGTON STATE COL	141	0	0	0	0	141	0	0	0	0
FORT KENT STATE COL	35	0	0	0	0	35	0	0	0	0
GORHAM STATE COL	285	0	0	0	0	285	0	0	0	0
HUSSON COL	54	0	0	0	0	54	0	0	0	0
MAINE MARITIME ACADEMY	137	0	0	75	0	62	0	0	0	0
NASSON COL	166	0	0	0	0	166	0	0	0	0
NORTHERN CONSERV OF MUSIC	17	0	0	0	0	17	0	0	0	0
RICKER COL	23	0	0	0	0	23	0	0	0	0
SOUTHERN ME VOC TECH INST	16	0	0	0	0	0	0	0	16	0
ST FRANCIS COL	50	0	0	0	0	50	0	0	0	0
ST JOSEPHS COL	24	0	0	0	0	24	0	0	0	0
THOMAS COL	48	0	0	0	0	48	0	0	0	0
UNITY COLLEGE	3	0	0	0	0	3	0	0	0	0
UNIV OF MAINE ORONO	4,191	1,657	4	0	10	2,025	158	30	295	12
WASHINGTON STATE COL	38	0	0	0	0	38	0	0	0	0
WESTBROOK JR COL	63	0	0	0	0	63	0	0	0	0
TOTAL MAINE	6,254	1,657	4	75	36	3,538	158	30	744	12
MARYLAND										
ALLEGANY COMM COL**	125	0	0	0	0	122	0	0	3	0
ANNE ARUNDEL COMM COL**	26	0	0	0	0	26	0	0	0	0
BALTIMORE COL OF COMMERCE	4	0	0	0	0	4	0	0	0	0
BOWIE STATE COL	490	0	0	0	0	457	0	33	0	0
CAPITOL INST OF TECH	6	0	0	0	0	6	0	0	0	0
CATONSVILLE COMM COL **	745	0	0	0	0	738	0	0	7	0
CECIL COMMUNITY COLLEGE **	13	0	0	0	0	13	0	0	0	0
CHARLES COUNTY COMM COL **	32	0	0	0	0	21	0	0	11	0
CHESAPEAKE COLLEGE **	41	0	0	0	12	29	0	0	0	0
COL OF NOTRE DAME OF MD	18	0	0	0	0	18	0	0	0	0
COLUMBIA UNION COL	151	0	0	0	0	142	0	9	0	0
COMM COL OF BALTIMORE **	243	0	0	0	0	243	0	0	0	0
COPPIN STATE COL	385	0	0	0	0	385	0	0	0	0
ESSEX COMM COL**	75	0	0	0	0	75	0	0	0	0
FREDERICK COMM COL**	9	0	0	0	0	9	0	0	0	0
FROSTBURG STATE COL	104	0	0	0	0	100	0	0	4	0
GOUCHER COL	133	0	0	0	0	93	0	0	40	0
HAGERSTOWN JR COL **	78	0	0	0	0	78	0	0	0	0
HARFORD JR COL **	36	0	0	0	0	34	0	0	2	0
HOOD COL	20	0	0	0	0	20	0	0	0	0
JOHNS HOPKINS UNIV	36,177	29	957	52	2,367	29,706	65	486	2,505	10
LOYOLA COL	159	0	0	0	0	149	0	0	10	0
MARYLAND INST COL OF ART	81	0	0	0	0	81	0	0	0	0
MONTGOMERY COL-ROCKVILLE **	85	0	0	0	2	83	0	0	0	0
[illegible]	[illegible]	0	0	0	0	739	0	29	308	0

SOUTHERN ME VOC TECH INST	16	0	0	0	0	0	0	0	16	0
ST FRANCIS COL	50	0	0	0	0	50	0	0	0	0
ST JOSEPHS COL	24	0	0	0	0	24	0	0	0	0
THOMAS COL	48	0	0	0	0	48	0	0	0	0
UNITY COLLEGE	3	0	0	0	0	3	0	0	0	0
UNIV OF MAINE ORONO	4,191	1,657	4	0	10	2,025	158	30	295	12
WASHINGTON STATE COL	38	0	0	0	0	38	0	0	0	0
WESTBROOK JR COL	63	0	0	0	0	63	0	0	0	0
TOTAL MAINE	6,254	1,657	4	75	36	3,538	158	30	744	12
MARYLAND										
ALLEGANY COMM COL**	125	0	0	0	0	122	0	0	3	0
ANNE ARUNDEL COMM COL**	26	0	0	0	0	26	0	0	0	0
BALTIMORE COL OF COMMERCE	4	0	0	0	0	4	0	0	0	0
BOWIE STATE COL	490	0	0	0	0	457	0	33	0	0
CAPITOL INST OF TECH	6	0	0	0	0	6	0	0	0	0
CATONSVILLE COMM COL **	745	0	0	0	0	738	0	0	7	0
CECIL COMMUNITY COLLEGE **	13	0	0	0	0	13	0	0	0	0
CHARLES COUNTY COMM COL **	32	0	0	0	0	21	0	0	11	0
CHESAPEAKE COLLEGE **	41	0	0	0	12	29	0	0	0	0
COL OF NOTRE DAME OF MD	18	0	0	0	0	18	0	0	0	0
COLUMBIA UNION COL	151	0	0	0	0	142	0	9	0	0
COMM COL OF BALTIMORE **	243	0	0	0	0	243	0	0	0	0
COPPIN STATE COL	385	0	0	0	0	385	0	0	0	0
ESSEX COMM COL**	75	0	0	0	0	75	0	0	0	0
FREDERICK COMM COL**	9	0	0	0	0	9	0	0	0	0
FROSTBURG STATE COL	104	0	0	0	0	100	0	0	4	0
GOUCHER COL	133	0	0	0	0	93	0	0	40	0
HAGERSTOWN JR COL **	78	0	0	0	0	78	0	0	0	0
HARFORD JR COL **	36	0	0	0	0	34	0	0	2	0
HOOD COL	20	0	0	0	0	20	0	0	0	0
JOHNS HOPKINS UNIV	36,177	29	957	52	2,367	29,706	65	486	2,505	10
LOYOLA COL	159	0	0	0	0	149	0	0	10	0
MARYLAND INST COL OF ART	81	0	0	0	0	81	0	0	0	0
MONTGOMERY COL-ROCKVILLE **	85	0	0	0	2	83	0	0	0	0
MORGAN STATE COL	1,076	0	0	0	0	739	0	29	308	0
MT PROVIDENCE JR COL **	45	0	0	0	0	45	0	0	0	0
MT ST AGNES COL	65	0	0	0	0	65	0	0	0	0
MT ST MARYS COL	17	0	0	0	0	17	0	0	0	0
NER ISRAEL RABBINICAL COL	61	0	0	0	0	61	0	0	0	0
PEABODY CONSERV OF MUSIC	41	0	0	0	0	41	0	0	0	0
PRINCE GEORGES COMM COL **	87	0	0	0	0	87	0	0	0	0
SALISBURY STATE COL	30	0	0	0	0	30	0	0	0	0
ST JOHNS COL	25	0	0	0	0	23	0	0	2	0
ST JOSEPH COL	100	0	0	0	0	68	0	0	32	0
ST MARYS COL OF MD	23	0	0	0	0	23	0	0	0	0
TOWSON STATE COL	372	0	0	0	0	372	0	0	0	0
UNIV OF BALTIMORE	32	0	0	0	0	32	0	0	0	0
UNIV OF MARYLAND	27,846	2,298	2,342	62	2,820	12,574	229	3,294	4,046	181
VILLA JULIE COL **	278	0	0	0	0	277	0	0	1	0
WASHINGTON COL	34	0	0	0	0	28	0	0	6	0
WESTERN MARYLAND COL	145	0	0	0	0	103	0	0	42	0
WOODSTOCK COL	33	0	0	0	0	0	0	0	33	0
TOTAL MARYLAND	69,546	2,327	3,299	114	5,201	47,217	294	3,851	7,052	191
MASSACHUSETTS										
AMERICAN INTL COL	125	0	0	0	0	114	0	0	11	0
AMHERST COL	555	0	0	0	0	296	0	0	259	0
ANDOVER NEWTON THEOL SCH	34	0	0	0	0	34	0	0	0	0
ANNA MARIA COL FOR WOMEN	47	0	0	0	0	47	0	0	0	0
AQUINAS JR COLL OF BUS **	11	0	0	0	0	11	0	0	0	0
ASSUMPTION COL	239	0	0	0	0	201	0	0	38	0
ATLANTIC UNION COL	225	0	0	0	0	225	0	0	0	0
BABSON COLLEGE	24	0	0	0	0	24	0	0	0	0
BAY PATH JR COL **	31	0	0	0	0	31	0	0	0	0
BAY STATE JR COL BUSINESS **	11	0	0	0	0	11	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MASSACHUSETTS										
BECKER JR COL **	4	0	0	0	0	4	0	0	0	0
BENTLEY COL OF ACCT & FIN	147	0	0	0	0	147	0	0	0	0
BERKSHIRE CHRISTIAN COL	14	0	0	0	0	14	0	0	0	0
BERKSHIRE COMM COL **	35	0	0	0	0	35	0	0	0	0
BOSTON ARCHITECTURAL CTR	3	0	0	0	0	3	0	0	0	0
BOSTON COL	5,548	0	55	0	925	3,718	0	28	522	300
BOSTON CONSERV OF MUSIC	3	0	0	0	0	3	0	0	0	0
BOSTON STATE COLLEGE	181	0	0	0	0	171	0	0	10	0
BOSTON UNIV	15,764	0	31	0	491	13,700	0	130	1,277	135
BRADFORD JR COL **	3	0	0	0	0	3	0	0	0	0
BRANDEIS UNIV	7,421	0	276	0	413	3,742	0	0	2,952	38
BRIDGEWATER STATE COLLEGE	288	0	0	0	0	80	0	0	208	0
BRISTOL COMM COL **	475	0	0	0	0	475	0	0	0	0
BRYANT&STRATTON JC-BUS **	9	0	0	0	0	9	0	0	0	0
BRYANT-MCINTOSH JC OF BUS **	52	0	0	0	0	52	0	0	0	0
BURDETT COL **	5	0	0	0	0	5	0	0	0	0
CAMBRIDGE JR COL **	7	0	0	0	0	7	0	0	0	0
CAPE COD COMM COL **	49	0	0	0	0	49	0	0	0	0
CARDINAL CUSHING COL	8	0	0	0	0	8	0	0	0	0
CLARK UNIV	1,627	0	23	0	28	932	48	0	596	0
COL OF OUR LADY OF ELMS	65	0	0	0	0	65	0	0	0	0
COL OF THE HOLY CROSS	460	0	0	0	0	160	0	25	275	0
CURRY COL	43	0	0	0	0	43	0	0	0	0
DEAN JR COL **	22	0	0	0	0	22	0	0	0	0
EASTERN NAZARENE COL	259	0	0	0	0	144	0	0	115	0
EMERSON COL	173	0	0	0	0	173	0	0	0	0
EMMANUEL COL	566	0	0	0	328	208	0	0	30	0
FISHER JR COL**	12	0	0	0	0	12	0	0	0	0
FITCHBURG STATE COLLEGE	105	0	0	0	0	105	0	0	0	0
FORSYTH SCH DENT HYGNSTS **	50	0	0	0	0	0	0	50	0	0
FRAMINGHAM STATE COLLEGE	126	0	0	0	0	119	0	0	7	0
FRANKLIN INST OF BOSTON **	1	0	0	0	0	1	0	0	0	0
GARLAND JR COL **	7	0	0	0	0	7	0	0	0	0
GORDON COL	162	0	0	0	0	152	0	0	10	0
GRAHM JR COL**	76	0	0	0	0	76	0	0	0	0
GREENFIELD COMM COL **	178	0	0	0	0	178	0	0	0	0
HAMPSHIRE COLLEGE	134	0	0	0	0	46	0	0	32	56
HARVARD UNIV	55,562	0	2,000	174	2,998	35,742	55	6,002	7,749	842
HEBREW TCHRS COL	12	0	0	0	0	12	0	0	0	0
HELLENIC COL	54	0	0	0	0	54	0	0	0	0
HOLYOKE COMM COL **	30	0	0	0	0	30	0	0	0	0
LASELL JR COL**	3	0	0	0	0	3	0	0	0	0
LEICESTER JR COL **	18	0	0	0	0	18	0	0	0	0
LESLEY COL	20	0	0	0	0	20	0	0	0	0
LOWELL STATE COLLEGE	129	0	0	0	0	88	0	0	41	0
LOWELL TECHNOLOGICAL INST	963	0	0	0	525	174	0	212	52	0
MASS BAY COMM COL **	1,104	0	0	0	0	1,104	0	0	0	0
MASS COL OF ART	69	0	0	0	0	69	0	0	0	0
MASS COL OF OPTOMETRY	458	0	0	0	0	458	0	0	0	0
MASS COL OF PHARMACY	324	0	0	0	0	324	0	0	0	0
MASS INST OF TECH	100,177	0	9,383	109	44,086	10,845	656	26,044	8,313	741
MASS MARITIME ACAD	75	0	0	75	0	0	0	0	0	0
MASSASOIT COMM COL **	38	0	0	0	0	36	2	0	0	0
MERRIMACK COL	136	0	0	0	0	126	0	0	10	0
MOUNT IDA JR COL **	7	0	0	0	0	7	0	0	0	0
[illegible]	29	0	0	0	0	29	0	0	0	0

CARDINAL CUSHING COL	0	0	0	0	0	0	0	0	0	0
CLARK UNIV	1,627	0	23	0	28	932	48	0	596	0
COL OF OUR LADY OF ELMS	65	0	0	0	0	65	0	0	0	0
COL OF THE HOLY CROSS	460	0	0	0	0	160	0	25	275	0
CURRY COL	43	0	0	0	0	43	0	0	0	0
DEAN JR COL **	22	0	0	0	0	22	0	0	0	0
EASTERN NAZARENE COL	259	0	0	0	0	144	0	0	115	0
EMERSON COL	173	0	0	0	0	173	0	0	0	0
EMMANUEL COL	566	0	0	0	328	208	0	0	30	0
FISHER JR COL**	12	0	0	0	0	12	0	0	0	0
FITCHBURG STATE COLLEGE	105	0	0	0	0	105	0	0	0	0
FORSYTH SCH DENT HYGNSTS **	50	0	0	0	0	0	0	50	0	0
FRAMINGHAM STATE COLLEGE	126	0	0	0	0	119	0	0	7	0
FRANKLIN INST OF BOSTON **	1	0	0	0	0	1	0	0	0	0
GARLAND JR COL **	7	0	0	0	0	7	0	0	0	0
GORDON COL	162	0	0	0	0	152	0	0	10	0
GRAHM JR COL**	76	0	0	0	0	76	0	0	0	0
GREENFIELD COMM COL **	178	0	0	0	0	178	0	0	0	0
HAMPSHIRE COLLEGE	134	0	0	0	0	46	0	0	32	56
HARVARD UNIV	55,562	0	2,000	174	2,998	35,742	55	6,002	7,749	842
HEBREW TCHRS COL	12	0	0	0	0	12	0	0	0	0
HELLENIC COL	54	0	0	0	0	54	0	0	0	0
HOLYOKE COMM COL **	30	0	0	0	0	30	0	0	0	0
LASELL JR COL**	3	0	0	0	0	3	0	0	0	0
LEICESTER JR COL **	18	0	0	0	0	18	0	0	0	0
LESLEY COL	20	0	0	0	0	20	0	0	0	0
LOWELL STATE COLLEGE	129	0	0	0	0	88	0	0	41	0
LOWELL TECHNOLOGICAL INST	963	0	0	0	525	174	0	212	52	0
MASS BAY COMM COL **	1,104	0	0	0	0	1,104	0	0	0	0
MASS COL OF ART	69	0	0	0	0	69	0	0	0	0
MASS COL OF OPTOMETRY	458	0	0	0	0	458	0	0	0	0
MASS COL OF PHARMACY	324	0	0	0	0	324	0	0	0	0
MASS INST OF TECH	100,177	0	9,383	109	44,086	10,845	656	26,044	8,313	741
MASS MARITIME ACAD	75	0	0	75	0	0	0	0	0	0
MASSASOIT COMM COL **	38	0	0	0	0	36	2	0	0	0
MERRIMACK COL	136	0	0	0	0	126	0	0	10	0
MOUNT IDA JR COL **	7	0	0	0	0	7	0	0	0	0
MOUNT WACHUSETT COMM COL **	29	0	0	0	0	29	0	0	0	0
MT HOLYOKE COL	137	0	0	0	0	107	0	0	30	0
NEW ENGL CONSERV OF MUSIC	17	0	0	0	0	17	0	0	0	0
NEW ENGLAND SCHOOL OF LAW	3	0	0	0	0	3	0	0	0	0
NEWTON COLLEGE	85	0	0	0	0	85	0	0	0	0
NEWTON JR COL **	7	0	0	0	0	7	0	0	0	0
NICHOLS COL OF BUS ADMIN	27	0	0	0	0	27	0	0	0	0
NORTH ADAMS STATE COLLEGE	12	0	0	0	0	12	0	0	0	0
NORTH SHORE COMM COL **	105	0	0	0	0	105	0	0	0	0
NORTHAMPTON JR COLLEGE **	10	0	0	0	0	10	0	0	0	0
NORTHEASTERN UNIV	4,089	0	66	0	1,131	2,295	0	148	336	113
NORTHERN ESSEX COMM COL**	70	0	0	0	0	70	0	0	0	0
PERRY NORMAL SCH **	26	0	0	0	0	26	0	0	0	0
PINE MANOR JR COL **	11	0	0	0	0	11	0	0	0	0
QUINCY JR COL **	37	0	0	0	0	37	0	0	0	0
QUINSIGAMOND COMM COL **	30	0	0	0	0	30	0	0	0	0
RADCLIFFE COLLEGE	82	0	0	0	0	82	0	0	0	0
REGIS COL	328	0	0	0	193	131	0	0	4	0
SALEM STATE COLLEGE	193	0	0	0	0	193	0	0	0	0
SCH OF THE MUS FINE ARTS	37	0	0	0	0	37	0	0	0	0
SIMMONS COL	705	0	0	0	0	577	0	0	128	0
SMITH COL	828	0	27	0	0	777	0	0	24	0
SOUTHEASTERN MASS UNIV	251	0	0	0	11	230	0	0	10	0
SPRINGFIELD COL	272	0	0	0	0	270	0	0	2	0
SPRINGFIELD TECH COMM COL**	5	0	0	0	0	5	0	0	0	0
STEVENS COLLEGE	14	0	0	0	0	14	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MASSACHUSETTS										
STONEHILL COL	145	0	0	0	0	126	0	0	19	0
SUFFOLK UNIV	152	0	0	0	4	98	0	20	30	0
SWAIN SCH OF DESIGN	19	0	0	0	0	19	0	0	0	0
TUFTS UNIV	18,977	0	390	0	393	15,233	0	60	554	2,347
UNIV OF MASSACHUSETTS	10,140	2,002	225	28	473	4,931	308	418	1,605	150
WELLESLEY COL	241	0	0	0	0	147	0	0	94	0
WENTWORTH INST **	913	0	0	0	779	77	0	0	57	0
WESTERN NEW ENGLAND COL	33	0	0	0	0	30	0	0	3	0
WESTFIELD STATE COLLEGE	157	0	0	0	0	157	0	0	0	0
WHEATON COL	43	0	0	0	0	27	0	0	16	0
WHEELOCK COL	43	0	0	0	0	43	0	0	0	0
WILLIAMS COL	276	0	0	0	19	103	0	0	95	59
WOODS HOLE OCEAN INST	10,033	0	634	0	5,444	92	394	25	3,415	29
WORCESTER JR COL **	8	0	0	0	0	8	0	0	0	0
WORCESTER POLYTECH INST	991	0	35	0	86	256	0	89	525	0
WORCESTER STATE COLLEGE	25	0	0	0	0	25	0	0	0	0
TOTAL MASSACHUSETTS	244,169	2,002	13,145	386	58,327	101,331	1,463	33,251	29,454	4,810
MICHIGAN										
ADRIAN COL	63	0	0	0	0	53	0	0	10	0
ALBION COL	126	0	0	0	0	93	0	0	33	0
ALMA COL	179	0	0	0	0	162	0	0	17	0
ALPENA COMM COL**	117	0	0	0	0	117	0	0	0	0
ANDREWS UNIV	134	0	0	0	0	94	0	0	40	0
AQUINAS COL	145	0	0	0	0	145	0	0	0	0
BAY DE NOC COMM COL**	78	0	0	0	0	78	0	0	0	0
CALVIN COL	1,485	0	0	0	20	1,375	0	0	90	0
CENTRAL MICH UNIV	774	0	0	0	0	724	0	0	50	0
CONCORDIA LUTHERAN JR COL **	12	0	0	0	0	10	0	0	2	0
CRANBROOK ACAD OF ART	58	0	0	0	0	58	0	0	0	0
DAVENPORT COL OF BUSINESS **	139	0	0	0	0	139	0	0	0	0
DELTA COL**	786	0	0	0	0	776	0	0	10	0
DETROIT COL OF BUSINESS	43	0	0	0	0	43	0	0	0	0
DETROIT INST OF TECH	74	0	0	0	0	74	0	0	0	0
DUNS SCOTUS COL	4	0	0	0	0	4	0	0	0	0
EASTERN MICHIGAN UNIV	1,211	0	0	0	0	1,106	0	0	105	0
FERRIS ST COL	2,047	0	0	0	0	2,047	0	0	0	0
FLINT COMM JR COL **	68	0	0	0	0	68	0	0	0	0
GLEN OAKS COMM COL**	70	0	0	0	0	70	0	0	0	0
GOGEBIC COMM COL **	80	0	0	0	0	80	0	0	0	0
GRAND RAPIDS BAPT COL	25	0	0	0	0	25	0	0	0	0
GRAND RAPIDS JR COL **	171	0	0	0	0	169	0	0	2	0
GRAND VALLEY STATE COL	268	0	0	0	0	264	0	0	4	0
HENRY FORD COMM COL **	173	0	0	0	0	173	0	0	0	0
HIGHLAND PARK COLLEGE **	255	0	0	0	0	255	0	0	0	0
HILLSDALE COL	40	0	0	0	0	40	0	0	0	0
HOPE COL	402	0	0	0	0	239	0	0	163	0
JACKSON COMM COL**	47	0	0	0	0	47	0	0	0	0
KALAMAZOO COL	193	0	0	0	0	156	0	0	37	0
KALAMAZOO VALLEY COMM COL **	34	0	0	0	0	34	0	0	0	0

WORCESTER STATE COLLEGE	25	0	0	0	0	25	0	0	0	0
TOTAL MASSACHUSETTS	244,169	2,002	13,145	386	58,327	101,331	1,463	33,251	29,454	4,810
MICHIGAN										
ADRIAN COL	63	0	0	0	0	53	0	0	10	0
ALBION COL	126	0	0	0	0	93	0	0	33	0
ALMA COL	179	0	0	0	0	162	0	0	17	0
ALPENA COMM COL**	117	0	0	0	0	117	0	0	0	0
ANDREWS UNIV	134	0	0	0	0	94	0	0	40	0
AQUINAS COL	145	0	0	0	0	145	0	0	0	0
BAY DE NOC COMM COL**	78	0	0	0	0	78	0	0	0	0
CALVIN COL	1,485	0	0	0	20	1,375	0	0	90	0
CENTRAL MICH UNIV	774	0	0	0	0	724	0	0	50	0
CONCORDIA LUTHERAN JR COL **	12	0	0	0	0	10	0	0	2	0
CRANBROOK ACAD OF ART	58	0	0	0	0	58	0	0	0	0
DAVENPORT COL OF BUSINESS **	139	0	0	0	0	139	0	0	0	0
DELTA COL**	786	0	0	0	0	776	0	0	10	0
DETROIT COL OF BUSINESS	43	0	0	0	0	43	0	0	0	0
DETROIT INST OF TECH	74	0	0	0	0	74	0	0	0	0
DUNS SCOTUS COL	4	0	0	0	0	4	0	0	0	0
EASTERN MICHIGAN UNIV	1,211	0	0	0	0	1,106	0	0	105	0
FERRIS ST COL	2,047	0	0	0	0	2,047	0	0	0	0
FLINT COMM JR COL **	68	0	0	0	0	68	0	0	0	0
GLEN OAKS COMM COL**	70	0	0	0	0	70	0	0	0	0
GOGEBIC COMM COL**	80	0	0	0	0	80	0	0	0	0
GRAND RAPIDS BAPT COL	25	0	0	0	0	25	0	0	0	0
GRAND RAPIDS JR COL **	171	0	0	0	0	169	0	0	2	0
GRAND VALLEY STATE COL	268	0	0	0	0	264	0	0	4	0
HENRY FORD COMM COL **	173	0	0	0	0	173	0	0	0	0
HIGHLAND PARK COLLEGE **	255	0	0	0	0	255	0	0	0	0
HILLSDALE COL	40	0	0	0	0	40	0	0	0	0
HOPE COL	202	0	0	0	0	239	0	0	163	0
JACKSON COMM COL**	47	0	0	0	0	47	0	0	0	0
KALAMAZOO COL	193	0	0	0	0	156	0	0	37	0
KALAMAZOO VALLEY COMM COL **	34	0	0	0	0	34	0	0	0	0
KELLOGG COMM COL **	56	0	0	0	0	56	0	0	0	0
KIRTLAND COMM COL **	27	0	0	0	0	27	0	0	0	0
LAKE MICHIGAN COL**	87	0	0	0	0	85	0	0	2	0
LAKE SUPERIOR STATE COL	450	0	0	0	0	441	0	0	9	0
LANSING COMM COL **	60	0	0	0	0	60	0	0	0	0
LAWRENCE INST OF TECH	36	0	0	0	0	36	0	0	0	0
MACOMB COUNTY COMM COL **	860	0	0	0	0	860	0	0	0	0
MADONNA COL	93	0	0	0	0	93	0	0	0	0
MARYGROVE COL	118	0	0	0	0	118	0	0	0	0
MERCY COL OF DETROIT	171	0	0	0	0	160	0	0	11	0
MERRILL-PALMER INST	14	0	0	0	0	14	0	0	0	0
MICH COL OSTEOPATHIC MED	213	0	0	0	0	174	0	0	39	0
MICH TECHNOLOGICAL UNIV	846	26	110	0	78	274	47	0	311	0
MICHIGAN CHRISTIAN JR COL **	15	0	0	0	0	15	0	0	0	0
MICHIGAN STATE UNIV	23,361	5,042	2,162	0	382	10,310	220	47	4,271	927
MID-MICH COMMUNITY COL **	20	0	0	0	0	20	0	0	0	0
MONROE COUNTY COMM COL **	16	0	0	0	0	16	0	0	0	0
MONTCALM COMMUNITY COL**	26	0	0	0	0	26	0	0	0	0
MUSKEGON BUSINESS COL **	6	0	0	0	0	6	0	0	0	0
MUSKEGON COMMUNITY COL**	82	0	0	0	0	82	0	0	0	0
NAZARETH COL	53	0	0	0	0	51	0	0	2	0
NORTH CENTRAL MICH COL **	29	0	0	0	0	29	0	0	0	0
NORTHERN MICHIGAN UNIV	586	0	0	0	0	429	0	0	32	125
NORTHWESTERN MICH COL **	118	0	0	75	0	43	0	0	0	0
NORTHWOOD INST	54	0	0	0	0	54	0	0	0	0
OAKLAND COMM COL **	205	0	0	0	0	205	0	0	0	0
OAKLAND UNIV	1,055	0	52	0	0	838	0	0	165	0
OLIVET COL	118	0	0	0	0	116	0	0	2	0
OWOSSO COL	39	0	0	0	0	39	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MICHIGAN										
SACRED HEART SEM	31	0	0	0	0	31	0	0	0	0
SAGINAW VALLEY COL	70	0	0	0	0	70	0	0	0	0
SCHOOLCRAFT COL **	83	0	0	0	0	83	0	0	0	0
SHAW COLLEGE AT DETROIT	54	0	0	0	0	54	0	0	0	0
SIENA HEIGHTS COL	9	0	0	0	0	9	0	0	0	0
SOCIETY OF ARTS & CRAFTS	5	0	0	0	0	5	0	0	0	0
SOUTHWESTERN MICH COL **	33	0	0	0	0	33	0	0	0	0
SPRING ARBOR COL	81	0	0	0	0	81	0	0	0	0
ST CLAIR COUNTY COMM COL **	75	0	0	0	0	75	0	0	0	0
SUOMI COL **	124	0	0	0	0	124	0	0	0	0
UNIV OF DETROIT	1,848	0	4	14	79	1,392	0	15	344	0
UNIV OF MICHIGAN	59,059	46	3,090	3	7,710	32,228	250	5,505	7,331	2,896
WALSH COL ACCTG&BUS ADMIN	3	0	0	0	0	3	0	0	0	0
WASHTENAW COMM COL **	197	0	0	0	0	197	0	0	0	0
WAYNE COUNTY COMMUNTY COL **	217	0	0	0	0	217	0	0	0	0
WAYNE STATE UNIV	11,534	0	140	0	413	9,328	0	66	1,162	425
WEST SHORE COMMUNITY COLL **	434	0	0	0	0	434	0	0	0	0
WESTERN MICH UNIV	2,415	0	9	0	75	1,597	0	0	734	0
TOTAL MICHIGAN	114,387	5,114	5,567	92	8,757	69,356	517	5,633	14,978	4,373
MINNESOTA										
ANOKA-RAMSEY ST JR COL **	238	0	0	0	0	238	0	0	0	0
AUGSBURG COL	218	0	0	0	0	210	0	0	8	0
AUSTIN ST JUNIOR COLLEGE **	41	0	0	0	0	41	0	0	0	0
BEMIDJI STATE COL	1,299	0	0	0	0	1,042	0	0	88	169
BETHANY LUTHERAN COL	14	0	0	0	0	14	0	0	0	0
BETHEL COL & SEM	138	0	0	0	0	96	0	0	42	0
BRAINERD ST JUNIOR COL **	31	0	0	0	0	31	0	0	0	0
CARLETON COL	305	0	0	0	0	110	0	0	195	0
COL OF ST BENEDICT	184	0	0	0	0	182	0	0	2	0
COL OF ST CATHERINE	233	0	0	0	0	231	0	0	2	0
COL OF ST SCHOLASTICA	232	0	0	0	0	232	0	0	0	0
COL OF ST TERESA	275	0	0	0	0	263	0	0	12	0
COL OF ST THOMAS	196	0	0	0	0	142	0	0	54	0
CONCORDIA COL, MOORHEAD	405	0	0	0	0	250	0	0	155	0
CONCORDIA COL, ST PAUL	88	0	0	0	0	88	0	0	0	0
CORBETT COLLEGE **	5	0	0	0	0	5	0	0	0	0
CROSIER SEM **	8	0	0	0	0	8	0	0	0	0
FERGUS FALLS STATE JR COL **	26	0	0	0	0	24	0	0	2	0
GOLDEN VALLEY LUTHRAN COL **	15	0	0	0	0	15	0	0	0	0
GUSTAVUS ADOLPHUS COL	410	0	0	0	0	149	0	0	261	0
HAMLINE UNIV	181	0	0	0	0	72	0	0	109	0
HIBBING STATE JR COLLEGE **	45	0	0	0	0	45	0	0	0	0
ITASCO STATE JR COLLEGE **	45	0	0	0	0	45	0	0	0	0
LAKEWOOD STATE JR COL **	18	0	0	0	0	18	0	0	0	0
LEA COLLEGE	23	0	0	0	0	23	0	0	0	0
MACALESTER COL	474	0	0	0	0	395	0	0	79	0
MANKATO STATE COL	896	0	0	0	0	739	0	0	157	0

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MINNESOTA										
ANOKA-RAMSEY ST JR COL **	238	0	0	0	0	238	0	0	0	0
AUGSBURG COL	218	0	0	0	0	210	0	0	8	0
AUSTIN ST JUNIOR COLLEGE **	41	0	0	0	0	41	0	0	0	0
BEMIDJI STATE COL	1,299	0	0	0	0	1,042	0	0	88	169
BETHANY LUTHERAN COL	14	0	0	0	0	14	0	0	0	0
BETHEL COL & SEM	138	0	0	0	0	96	0	0	42	0
BRAINERD ST JUNIOR COL **	31	0	0	0	0	31	0	0	0	0
CARLETON COL	305	0	0	0	0	110	0	0	195	0
COL OF ST BENEDICT	184	0	0	0	0	182	0	0	2	0
COL OF ST CATHERINE	233	0	0	0	0	231	0	0	2	0
COL OF ST SCHOLASTICA	232	0	0	0	0	232	0	0	0	0
COL OF ST TERESA	275	0	0	0	0	263	0	0	12	0
COL OF ST THOMAS	196	0	0	0	0	142	0	0	54	0
CONCORDIA COL, MOORHEAD	405	0	0	0	0	250	0	0	155	0
CONCORDIA COL, ST PAUL	88	0	0	0	0	88	0	0	0	0
CORBETT COLLEGE **	5	0	0	0	0	5	0	0	0	0
CROSIER SEM **	8	0	0	0	0	8	0	0	0	0
FERGUS FALLS STATE JR COL **	26	0	0	0	0	24	0	0	2	0
GOLDEN VALLEY LUTHRAN COL **	15	0	0	0	0	15	0	0	0	0
GUSTAVUS ADOLPHUS COL	410	0	0	0	0	149	0	0	261	0
HAMLINE UNIV	181	0	0	0	0	72	0	0	109	0
HIBBING STATE JR COLLEGE **	45	0	0	0	0	45	0	0	0	0
ITASCO STATE JR COLLEGE**	45	0	0	0	0	45	0	0	0	0
LAKEWOOD STATE JR COL **	18	0	0	0	0	18	0	0	0	0
LEA COLLEGE	23	0	0	0	0	23	0	0	0	0
MACALESTER COL	474	0	0	0	0	395	0	0	79	0
MANKATO STATE COL	896	0	0	0	0	739	0	0	157	0
MARTIN LUTHER COL	8	0	0	0	0	8	0	0	0	0
MESABI STATE JR COL **	82	0	0	0	0	80	0	0	2	0
METROPOLITAN ST JR COL**	66	0	0	0	0	66	0	0	0	0
MINNEAPOLIS SCH OF ART	35	0	0	0	0	35	0	0	0	0
MOORHEAD STATE COL	709	0	0	0	0	664	0	0	45	0
NORMANDALE STATE JR COL **	5	0	0	0	0	5	0	0	0	0
NORTH CENTRAL BIBLE COL	140	0	0	0	0	140	0	0	0	0
NORTH HENNEPIN ST JR COL **	35	0	0	0	0	35	0	0	0	0
NORTHLAND STATE JR COL **	34	0	0	0	0	34	0	0	0	0
RAINY RIVER STATE JR COL **	28	0	0	0	0	28	0	0	0	0
ROCHESTER ST JR COLL **	125	0	0	0	0	125	0	0	0	0
SOUTHWEST MINN STATE COL	379	0	0	0	0	363	0	0	16	0
ST CLOUD STATE COL	558	0	0	0	0	434	0	0	124	0
ST JOHNS UNIV	606	0	0	0	0	606	0	0	0	0
ST MARYS COL	205	0	0	0	0	68	0	0	137	0
ST MARYS JR COL **	276	0	0	0	0	276	0	0	0	0
ST OLAF COL	189	0	0	0	0	105	0	0	84	0
UNIV OF MINNESOTA	46,529	4,449	1,844	3	2,508	30,399	846	1,476	3,364	1,640
VERMILLION STATE JR COL**	16	0	0	0	0	16	0	0	0	0
WILLMAR ST COMMUNITY COL**	829	0	0	0	0	829	0	0	0	0
WINONA STATE COL	263	0	0	0	0	161	10	0	92	0
WM MITCHELL COL OF LAW	3	0	0	0	0	3	0	0	0	0
WORTHINGTON ST JR COLL**	34	0	0	0	0	34	0	0	0	0
TOTAL MINNESOTA	57,197	4,449	1,844	3	2,508	39,222	856	1,476	5,030	1,809
MISSISSIPPI										
ALCORN AGR & MECH COL	630	22	0	0	0	502	0	0	106	0
BELHAVEN COL	151	0	0	0	0	151	0	0	0	0
BLUE MOUNTAIN COL	44	0	0	0	0	44	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MISSISSIPPI										
CLARKE MEMORIAL COL **	9	0	0	0	0	9	0	0	0	0
COAHOMA JR COL **	239	0	0	0	0	239	0	0	0	0
COPIAH-LINCOLN JR COL**	29	0	0	0	0	29	0	0	0	0
DELTA STATE COL	419	0	0	0	0	419	0	0	0	0
EAST CENTRAL JR COL **	20	0	0	0	0	20	0	0	0	0
EAST MISS JR COL **	340	0	0	0	0	340	0	0	0	0
HINDS JR COL **	179	0	0	0	0	179	0	0	0	0
HOLMES JR COL **	224	0	0	0	0	222	0	0	2	0
ITAWAMBA JR COL**	83	0	0	0	0	83	0	0	0	0
JACKSON STATE COL	995	0	0	0	0	947	0	0	48	0
JONES COUNTY JR COL **	62	0	0	0	0	62	0	0	0	0
MARY HOLMES COLLEGE**	1,590	0	0	0	0	911	0	0	17	662
MERIDIAN JR COL **	201	0	0	0	0	201	0	0	0	0
MILLSAPS COL	482	0	0	0	0	482	0	0	0	0
MISS DELTA JR COL **	20	0	0	0	0	20	0	0	0	0
MISS GULF COAST J C SYS*	171	0	0	0	0	171	0	0	0	0
MISS ST COL FOR WOMEN	169	0	0	0	0	150	0	0	19	0
MISS VALLEY ST COL	368	0	0	0	0	368	0	0	0	0
MISSISSIPPI COL	56	0	0	0	0	56	0	0	0	0
MISSISSIPPI INDUS COL	111	0	0	0	0	111	0	0	0	0
MISSISSIPPI STATE UNIV	8,264	5,725	0	0	397	1,229	122	394	200	197
NATCHEZ JR COL **	30	0	0	0	0	30	0	0	0	0
NORTHEAST MISS JR COL **	95	0	0	0	0	95	0	0	0	0
NORTHWEST MISS JR COL **	75	0	0	0	0	75	0	0	0	0
PEARL RIVER JR COL**	56	0	0	0	0	56	0	0	0	0
PERKINSTON COL **	654	0	0	0	0	654	0	0	0	0
PRENTISS NORM & IND INST **	154	0	0	0	0	154	0	0	0	0
RUST COL	524	0	0	0	0	509	0	0	15	0
SAINTS JR COL **	312	0	0	0	0	23	0	0	0	289
SOUTHWEST MISS JR COL **	7	0	0	0	0	7	0	0	0	0
T J HARRIS JR COL **	17	0	0	0	0	17	0	0	0	0
TOUGALOO COL	612	0	0	0	0	605	0	0	7	0
UNIV OF MISSISSIPPI	8,622	17	15	174	170	7,373	0	22	851	0
UNIV OF SOUTHERN MISS	699	0	0	0	0	507	0	0	192	0
UTICA JR COL **	158	0	0	0	0	158	0	0	0	0
WILLIAM CAREY COL	153	0	0	0	0	153	0	0	0	0
WOOD JR COL **	22	0	0	0	0	22	0	0	0	0
TOTAL MISSISSIPPI	27,046	5,764	15	174	567	17,383	122	416	1,457	1,148
MISSOURI										
AVILA COL	137	0	0	0	0	135	0	0	2	0
CENTRAL BIBLE COLLEGE	81	0	0	0	0	81	0	0	0	0
CENTRAL METHODIST COL	36	0	0	0	0	36	0	0	0	0
CENTRAL MO STATE COL	696	0	0	0	0	651	0	0	45	0
CHRISTIAN COL **	16	0	0	0	0	16	0	0	0	0
CONCORDIA SEMINARY	32	0	0	0	0	32	0	0	0	0
COTTEY COL **	13	0	0	0	0	13	0	0	0	0
CROWDER COL **	31	0	0	0	0	31	0	0	0	0
CULVER-STOCKTON COL	83	0	0	0	0	83	0	0	0	0

MILLSAPS COL	482	0	0	0	0	482	0	0	0	0
MISS DELTA JR COL **	20	0	0	0	0	20	0	0	0	0
MISS GULF COAST J C SYS*	171	0	0	0	0	171	0	0	0	0
MISS ST COL FOR WOMEN	169	0	0	0	0	150	0	0	19	0
MISS VALLEY ST COL	368	0	0	0	0	368	0	0	0	0
MISSISSIPPI COL	56	0	0	0	0	56	0	0	0	0
MISSISSIPPI INDUS COL	111	0	0	0	0	111	0	0	0	0
MISSISSIPPI STATE UNIV	8,264	5,725	0	0	397	1,229	122	394	200	197
NATCHEZ JR COL **	30	0	0	0	0	30	0	0	0	0
NORTHEAST MISS JR COL **	95	0	0	0	0	95	0	0	0	0
NORTHWEST MISS JR COL **	75	0	0	0	0	75	0	0	0	0
PEARL RIVER JR COL**	56	0	0	0	0	56	0	0	0	0
PERKINSTON COL **	654	0	0	0	0	654	0	0	0	0
PRENTISS NORM & IND INST **	154	0	0	0	0	154	0	0	0	0
RUST COL	524	0	0	0	0	509	0	0	15	0
SAINTS JR COL **	312	0	0	0	0	23	0	0	0	289
SOUTHWEST MISS JR COL **	7	0	0	0	0	7	0	0	0	0
T J HARRIS JR COL**	17	0	0	0	0	17	0	0	0	0
TOUGALOO COL	612	0	0	0	0	605	0	0	7	0
UNIV OF MISSISSIPPI	8,622	17	15	174	170	7,373	0	22	851	0
UNIV OF SOUTHERN MISS	699	0	0	0	0	507	0	0	192	0
UTICA JR COL **	158	0	0	0	0	158	0	0	0	0
WILLIAM CAREY COL	153	0	0	0	0	153	0	0	0	0
WOOD JR COL **	22	0	0	0	0	22	0	0	0	0
TOTAL MISSISSIPPI	27,006	5,764	15	174	567	17,383	122	416	1,457	1,148
MISSOURI										
AVILA COL	137	0	0	0	0	135	0	0	2	0
CENTRAL BIBLE COLLEGE	81	0	0	0	0	81	0	0	0	0
CENTRAL METHODIST COL	36	0	0	0	0	36	0	0	0	0
CENTRAL MO STATE COL	696	0	0	0	0	651	0	0	45	0
CHRISTIAN COL **	16	0	0	0	0	16	0	0	0	0
CONCORDIA SEMINARY	32	0	0	0	0	32	0	0	0	0
COTTEY COL **	13	0	0	0	0	13	0	0	0	0
CROWDER COL **	31	0	0	0	0	31	0	0	0	0
CULVER-STOCKTON COL	83	0	0	0	0	83	0	0	0	0
DRURY COL	106	0	0	0	0	101	0	0	5	0
E CENTRAL JUNIOR COLLEGE **	13	0	0	0	0	13	0	0	0	0
EDEN THEOLOGICAL SEMINARY	13	0	0	0	0	13	0	0	0	0
EVANGEL COL	189	0	0	0	0	189	0	0	0	0
FONTBONNE COL	123	0	0	0	0	123	0	0	0	0
HARRIS TCHRS COL	100	0	0	0	0	100	0	0	0	0
IMMACULATE CONCEPTION SEM	14	0	0	0	0	14	0	0	0	0
JEFFERSON COL **	28	0	0	0	0	28	0	0	0	0
KANSAS CITY ART INST	231	0	0	0	0	231	0	0	0	0
KANSAS CITY COL OF OSTEOP	774	0	0	0	0	774	0	0	0	0
KIRKSVILLE COL OF OSTEOP	3,154	0	0	0	0	3,154	0	0	0	0
LINCOLN UNIV	487	57	0	0	0	420	0	0	10	0
LINDENWOOD COL	38	0	0	0	0	38	0	0	0	0
LONGVIEW COMMUNITY COL **	9	0	0	0	0	9	0	0	0	0
MAPLE WOODS COMMUNITY COL **	7	0	0	0	0	7	0	0	0	0
MARYVILLE COL SAC HEART	30	0	0	0	0	30	0	0	0	0
MERCY JR COL **	3	0	0	0	0	3	0	0	0	0
MINERAL AREA COL **	91	0	0	0	0	89	0	0	2	0
MISSOURI BAPTIST COL **	48	0	0	0	0	46	0	0	2	0
MISSOURI SOUTHERN COL	60	0	0	0	0	60	0	0	0	0
MISSOURI VALLEY COL	72	0	0	0	0	72	0	0	0	0
MISSOURI WESTERN COL	161	0	0	0	0	159	0	0	2	0
MOBERLY JR COL**	10	0	0	0	0	10	0	0	0	0
NORTHEAST MO ST COL	409	0	0	0	0	337	0	0	72	0
NORTHWEST MO STATE COL	465	0	0	0	0	455	0	0	10	0
NOTRE DAME COL	3	0	0	0	0	3	0	0	0	0
PARK COL	68	0	0	0	0	66	0	0	2	0
PENN VALLEY COMMUNITY COL **	1,089	0	0	0	0	1,089	0	0	0	0
ROCKHURST COL	571	0	0	0	0	536	0	0	35	0
SCHOOL OF THE OZARKS	192	0	0	0	0	192	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MISSOURI										
SOUTHEAST MO STATE COL	166	0	0	0	0	110	0	0	56	0
SOUTHWEST BAPTIST COL	219	0	0	0	0	217	0	0	2	0
SOUTHWEST MO STATE COL	525	0	0	0	0	475	16	0	34	0
ST LOUIS COL OF PHARMACY	244	0	0	0	0	244	0	0	0	0
ST LOUIS JR COLLEGE DIST**	683	0	0	0	0	683	0	0	0	0
ST LOUIS UNIV	7,879	0	5	0	341	6,560	0	129	562	282
ST MARYS COL OF OFALLON **	32	0	0	0	0	32	0	0	0	0
ST PAULS COL **	23	0	0	0	0	23	0	0	0	0
STATE FAIR COMM COLLEGE **	8	0	0	0	0	4	0	0	4	0
STEPHENS COL	24	0	0	0	0	24	0	0	0	0
TARKIO COL	158	0	0	0	0	131	0	0	27	0
THREE RIVERS JR COL **	89	0	0	0	0	89	0	0	0	0
TRENTON JR COL **	13	0	0	0	0	13	0	0	0	0
UNIV OF MISSOURI COLUMBIA	22,715	5,037	130	5	1,145	14,287	167	173	1,743	28
UNIV OF MISSOURI KAN CITY	2,005	0	0	0	0	1,845	0	25	135	0
UNIV OF MISSOURI ROLLA	1,857	0	144	0	71	304	47	42	1,249	0
UNIV OF MISSOURI ST LOUIS	486	0	0	0	29	368	0	0	89	0
UNIV OF MO CEN SYS*	558	0	0	0	0	0	0	0	0	558
WASHINGTON UNIV	26,901	0	353	5	1,877	22,339	0	686	1,641	0
WEBSTER COL	360	0	0	0	0	352	0	0	8	0
WESTMINSTER COL	38	0	0	0	0	38	0	0	0	0
WILLIAM JEWELL COL	45	0	0	0	0	45	0	0	0	0
WILLIAM WOODS COL	34	0	0	0	0	34	0	0	0	0
TOTAL MISSOURI	74,745	5,094	632	10	3,463	57,656	230	1,055	5,737	868
MONTANA										
CARROLL COL	409	0	0	0	0	407	0	0	2	0
COL OF GREAT FALLS	117	0	0	0	0	117	0	0	0	0
DAWSON COL **	19	0	0	0	0	19	0	0	0	0
EASTERN MONTANA COL	856	0	0	0	0	850	0	0	6	0
FLATHEAD VALLEY COMM COL **	95	0	0	0	0	95	0	0	0	0
MILES COMMUNITY COL **	22	0	0	0	0	22	0	0	0	0
MONTANA COL MINERAL SCI	123	0	0	0	0	93	16	0	14	0
MONTANA STATE UNIV	4,820	1,646	33	140	40	2,017	408	0	536	0
NORTHERN MONTANA COL	69	0	0	0	0	69	0	0	0	0
ROCKY MOUNTAIN COL	85	0	0	0	0	85	0	0	0	0
UNIV OF MONTANA	2,263	95	0	0	0	1,315	0	0	667	186
WESTERN MONTANA COL	198	0	0	0	0	198	0	0	0	0
TOTAL MONTANA	9,076	1,741	33	140	40	5,287	424	0	1,225	186
NEBRASKA										
CENTRAL NEB TECHNICAL COL	15	0	0	0	0	15	0	0	0	0
CHADRON STATE COL	428	0	0	0	0	363	0	0	65	0
COL OF ST MARY	52	0	0	0	0	52	0	0	0	0
CONCORDIA TCHRS COL	74	0	0	0	0	65	0	0	9	0
CREIGHTON UNIV	2,678	0	0	0	0	2,628	0	0	50	0
DANA COL	76	0	0	0	0	42	0	0	34	0
DOANE COL	228	0	0	0	0	228	0	0	0	0
FAIRBURY JR COL **	16	0	0	0	0	16	0	0	0	0
HASTINGS COL	58	0	0	0	0	58	0	0	0	0
HIRAM SCOTT COL	39	0	0	0	0	39	0	0	0	0
JOHN F KENNEDY COL	55	0	0	0	0	55	0	0	0	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	311	0	0	45	0

MONTANA										
CARROLL COL	409	0	0	0	0	407	0	0	2	0
COL OF GREAT FALLS	117	0	0	0	0	117	0	0	0	0
DAWSON COL **	19	0	0	0	0	19	0	0	0	0
EASTERN MONTANA COL	856	0	0	0	0	850	0	0	6	0
FLATHEAD VALLEY COMM COL **	95	0	0	0	0	95	0	0	0	0
MILES COMMUNITY COL **	22	0	0	0	0	22	0	0	0	0
MONTANA COL MINERAL SCI	123	0	0	0	0	93	16	0	14	0
MONTANA STATE UNIV	4,820	1,646	33	140	40	2,017	408	0	536	0
NORTHERN MONTANA COL	69	0	0	0	0	69	0	0	0	0
ROCKY MOUNTAIN COL	85	0	0	0	0	85	0	0	0	0
UNIV OF MONTANA	2,263	95	0	0	0	1,315	0	0	667	186
WESTERN MONTANA COL	198	0	0	0	0	198	0	0	0	0
TOTAL MONTANA	9,076	1,741	33	140	40	5,287	424	0	1,225	186
NEBRASKA										
CENTRAL NEB TECHNICAL COL	15	0	0	0	0	15	0	0	0	0
CHADRON STATE COL	428	0	0	0	0	363	0	0	65	0
COL OF ST MARY	52	0	0	0	0	52	0	0	0	0
CONCORDIA TCHRS COL	74	0	0	0	0	65	0	0	9	0
CREIGHTON UNIV	2,678	0	0	0	0	2,628	0	0	50	0
DANA COL	76	0	0	0	0	42	0	0	34	0
DOANE COL	228	0	0	0	0	228	0	0	0	0
FAIRBURY JR COL **	16	0	0	0	0	16	0	0	0	0
HASTINGS COL	58	0	0	0	0	58	0	0	0	0
HIRAM SCOTT COL	39	0	0	0	0	39	0	0	0	0
JOHN F KENNEDY COL	55	0	0	0	0	55	0	0	0	0
KEARNEY STATE COL	356	0	0	0	0	311	0	0	45	0
MCCOOK COLLEGE **	281	0	0	0	0	281	0	0	0	0
MIDLAND LUTHERAN COL	85	0	0	0	0	85	0	0	0	0
NEBRASKA WESLEYAN UNIV	355	0	7	0	0	259	0	0	89	0
NEBRASKA WESTERN COLLEGE **	32	0	0	0	0	32	0	0	0	0
NORTH PLATTE JR COL **	12	0	0	0	0	12	0	0	0	0
NORTHEASTERN NEBRASKA COL **	32	0	0	0	0	32	0	0	0	0
PERSHING COL	41	0	0	0	0	41	0	0	0	0
PERU STATE COL	122	0	0	0	0	122	0	0	0	0
PLATTE JR COL **	104	0	0	0	0	104	0	0	0	0
U OF NEB MED CTR AT OMAHA	3,780	0	0	0	0	3,780	0	0	0	0
UNION COL	82	0	0	0	0	82	0	0	0	0
UNIV OF NEBRASKA CEN SYS *	209	0	0	0	0	0	0	0	16	193
UNIV OF NEBRASKA-LINCOLN	7,584	2,830	78	0	170	3,524	111	20	851	0
UNIV OF NEBRASKA-OMAHA	2,140	0	0	0	0	2,083	0	0	57	0
WAYNE STATE COL	180	0	0	0	0	180	0	0	0	0
YORK COL **	59	0	0	0	0	59	0	0	0	0
TOTAL NEBRASKA	19,173	2,830	85	0	170	14,548	111	20	1,216	193
NEVADA										
DESERT RESEARCH INSTITUTE	219	0	0	0	0	0	0	0	219	0
ELKO COMMUNITY COLLEGE **	14	0	0	0	0	14	0	0	0	0
SIERRA NEVADA COLLEGE	3	0	0	0	0	3	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEVADA										
UNIV OF NEV RENO CAMPUS	4,466	851	186	0	475	1,567	837	223	327	0
UNIV OF NEVADA CEN SYS*	39	0	0	0	0	0	0	0	39	0
UNIV OF NEVADA LAS VEGAS	448	0	62	0	0	349	0	0	37	0
TOTAL NEVADA	5,189	851	248	0	475	1,933	837	223	622	0
NEW HAMPSHIRE										
BELKNAP COL	247	0	0	0	0	247	0	0	0	0
COLBY JR COL FOR WOMEN	25	0	0	0	0	25	0	0	0	0
DARTMOUTH COL	6,361	0	36	0	305	4,649	46	178	1,147	0
FRANCONIA COL	28	0	0	0	0	28	0	0	0	0
FRANKLIN PIERCE COL	85	0	0	0	70	15	0	0	0	0
KEENE STATE COLLEGE	128	0	0	0	0	128	0	0	0	0
MT ST MARY COL	43	0	0	0	0	43	0	0	0	0
N H VOC INST MANCHESTER **	2	0	0	0	0	2	0	0	0	0
N H VOC INST PORTSMOUTH **	1	0	0	0	0	1	0	0	0	0
NATHANIEL HAWTHORNE COL	50	0	0	0	0	50	0	0	0	0
NEW ENGLAND AERONAUT INST **	24	0	0	0	0	24	0	0	0	0
NEW ENGLAND COL	124	0	0	0	0	40	0	0	84	0
NEW HAMP COL ACCT & COMM	83	0	0	0	0	83	0	0	0	0
NEW HAMPSHIRE TECH INST **	94	0	0	0	0	94	0	0	0	0
NOTRE DAME COL	35	0	0	0	0	35	0	0	0	0
PLYMOUTH STATE COLLEGE	96	0	0	0	0	76	0	0	20	0
RIVIER COL	37	0	0	0	0	37	0	0	0	0
ST ANSELM'S COL	487	0	0	0	0	487	0	0	0	0
UNIV OF N H DURHAM	5,634	1,042	12	0	115	1,635	147	1,301	1,382	0
TOTAL NEW HAMPSHIRE	13,584	1,042	48	0	490	7,699	193	1,479	2,633	0
NEW JERSEY										
ALPHONSUS COL **	17	0	0	0	0	17	0	0	0	0
ATLANTIC COMM COL **	77	0	0	0	0	77	0	0	0	0
BERGEN COMMUNITY COLLEGE **	77	0	0	0	0	77	0	0	0	0
BETH MEDRASH GEVOHA AMER	134	0	0	0	0	134	0	0	0	0
BLOOMFIELD COL	284	0	0	0	0	284	0	0	0	0
BROOKDALE COMMUNITY COLL **	62	0	0	0	0	62	0	0	0	0
BURLINGTON COUNTY COL **	71	0	0	0	0	71	0	0	0	0
CALDWELL COL FOR WOMEN	36	0	0	0	0	36	0	0	0	0
CAMDEN COUNTY COL **	275	0	0	0	0	275	0	0	0	0
CENTENARY COL FOR WOMEN	3	0	0	0	0	3	0	0	0	0
COL OF ST ELIZABETH	154	0	0	0	0	151	0	0	3	0
COUNTY COL OF MORRIS **	62	0	0	0	0	62	0	0	0	0
CUMBERLAND COUNTY COL **	28	0	0	0	0	28	0	0	0	0
DON BOSCO COL	7	0	0	0	0	7	0	0	0	0
DREW UNIV	109	0	0	0	0	34	0	0	75	0
ENGLEWOOD CLIFFS COLLEGE **	10	0	0	0	0	10	0	0	0	0
ESSEX COUNTY COLLEGE **	2,162	0	0	0	0	2,162	0	0	0	0

KEENE STATE COLLEGE	128	0	0	0	0	128	0	0	0	0
MT ST MARY COL	43	0	0	0	0	43	0	0	0	0
N H VOC INST MANCHESTER **	2	0	0	0	0	2	0	0	0	0
N H VOC INST PORTSMOUTH **	1	0	0	0	0	1	0	0	0	0
NATHANIEL HAWTHORNE COL	50	0	0	0	0	50	0	0	0	0
NEW ENGLAND AERONAUT INST **	24	0	0	0	0	24	0	0	0	0
NEW ENGLAND COL	124	0	0	0	0	40	0	0	84	0
NEW HAMP COL ACCT & COMM	83	0	0	0	0	83	0	0	0	0
NEW HAMPSHIRE TECH INST **	94	0	0	0	0	94	0	0	0	0
NOTRE DAME COL	35	0	0	0	0	35	0	0	0	0
PLYMOUTH STATE COLLEGE	96	0	0	0	0	76	0	0	20	0
RIVIER COL	37	0	0	0	0	37	0	0	0	0
ST ANSELM'S COL	487	0	0	0	0	487	0	0	0	0
UNIV OF N H DURHAM	5,634	1,042	12	0	115	1,635	147	1,301	1,382	0
TOTAL NEW HAMPSHIRE	13,584	1,042	48	0	490	7,699	193	1,479	2,633	0
NEW JERSEY										
ALPHONSUS COL **	17	0	0	0	0	17	0	0	0	0
ATLANTIC COMM COL **	77	0	0	0	0	77	0	0	0	0
BERGEN COMMUNITY COLLEGE **	77	0	0	0	0	77	0	0	0	0
BETH MEDRASH GEVOHA AMER	134	0	0	0	0	134	0	0	0	0
BLOOMFIELD COL	284	0	0	0	0	284	0	0	0	0
BROOKDALE COMMUNITY COLL **	62	0	0	0	0	62	0	0	0	0
BURLINGTON COUNTY COL **	71	0	0	0	0	71	0	0	0	0
CALDWELL COL FOR WOMEN	36	0	0	0	0	36	0	0	0	0
CAMDEN COUNTY COL **	275	0	0	0	0	275	0	0	0	0
CENTENARY COL FOR WOMEN	3	0	0	0	0	3	0	0	0	0
COL OF ST ELIZABETH	154	0	0	0	0	151	0	0	3	0
COUNTY COL OF MORRIS **	62	0	0	0	0	62	0	0	0	0
CUMBERLAND COUNTY COL **	28	0	0	0	0	28	0	0	0	0
DON BOSCO COL	7	0	0	0	0	7	0	0	0	0
DREW UNIV	109	0	0	0	0	34	0	0	75	0
ENGLEWOOD CLIFFS COLLEGE **	10	0	0	0	0	10	0	0	0	0
ESSEX COUNTY COLLEGE **	2,162	0	0	0	0	2,162	0	0	0	0
FAIRLEIGH DICKINSON UNIV	624	0	0	0	0	584	0	0	40	0
FELICIAN COL	21	0	0	0	0	21	0	0	0	0
GEORGIAN COURT COL	43	0	0	0	0	39	0	0	4	0
GLASSBORO STATE COL	428	0	0	0	0	396	0	0	32	0
GLOUCESTER COUNTY COL **	82	0	0	0	0	82	0	0	0	0
JERSEY CITY STATE COL	508	0	0	0	0	508	0	0	0	0
LUTHER COL BIBLE LIB ARTS **	12	0	0	0	0	12	0	0	0	0
MERCER COUNTY COMM COL **	112	0	0	0	0	103	0	0	9	0
MIDDLESEX COUNTY COL **	109	0	0	0	0	109	0	0	0	0
MONMOUTH COL	231	0	0	0	18	146	0	0	67	0
MONTCLAIR STATE COL	1,129	0	0	0	0	1,037	0	0	92	0
MT ST MARY COL	59	0	0	0	0	59	0	0	0	0
N J COL OF MED&DENTISTRY	3,984	0	0	0	0	3,956	0	0	28	0
NEWARK COL OF ENGINEERING	449	0	0	0	52	70	19	70	90	148
NEWARK STATE COL	489	0	0	0	0	489	0	0	0	0
NORTHEASTERN COL BIBLE IN	17	0	0	0	0	17	0	0	0	0
OCEAN COUNTY COL **	62	0	0	0	0	62	0	0	0	0
PATERSON STATE COL	174	0	0	0	0	170	0	0	4	0
PRINCETON THEOL SEM	31	0	0	0	0	31	0	0	0	0
PRINCETON UNIV	17,728	0	2,676	19	3,063	4,119	0	3,933	3,896	22
RIDER COL	75	0	0	0	0	51	0	0	24	0
RUTGERS UNIVERSITY	14,713	2,066	124	0	401	9,316	241	129	2,019	417
SETON HALL UNIV	572	0	0	0	12	468	2	0	90	0
SOMERSET COUNTY COL **	37	0	0	0	0	29	0	0	8	0
ST PETERS COL	775	0	0	0	0	757	0	0	18	0
STEVENS INST OF TECH	3,146	0	230	68	1,235	279	0	45	1,289	0
TOMBROCK COL **	33	0	0	0	0	33	0	0	0	0
TRENTON STATE COL	319	0	0	0	0	281	0	0	38	0
UNION COL **	39	0	0	0	0	39	0	0	0	0
UPSALA COL	84	0	0	0	0	76	0	0	8	0
WESTMINSTER CHOIR COL	20	0	0	0	0	20	0	0	0	0
TOTAL NEW JERSEY	49,673	2,066	3,030	87	4,781	26,849	262	4,177	7,834	587

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW MEXICO										
COL OF ARTESIA	47	0	0	0	0	47	0	0	0	0
COL OF SANTA FE	298	0	0	0	0	298	0	0	0	0
EASTERN NEW MEXICO UNIV	1,217	0	0	0	0	992	27	0	14	184
NEW MEX INST MINING & TEC	1,166	0	0	0	533	71	0	18	544	0
NEW MEXICO HIGHLANDS UNIV	643	0	9	0	0	576	0	0	58	0
NEW MEXICO JR COL **	6	0	0	0	0	6	0	0	0	0
NEW MEXICO STATE UNIV	9,503	1,653	0	30	2,516	2,105	418	2,267	476	38
UNIV OF ALBUQUERQUE	547	0	0	0	36	500	0	0	11	0
UNIV OF NEW MEXICO	8,822	0	66	20	1,856	4,636	4	574	810	856
WESTERN NEW MEXICO UNIV	126	0	0	0	0	117	0	0	9	0
TOTAL NEW MEXICO	22,375	1,653	75	50	4,941	9,348	449	2,859	1,922	1,078
NEW YORK										
ACADEMY OF AERONAUTICS **	4	0	0	0	0	4	0	0	0	0
ADELPHI UNIV	1,634	0	0	0	0	1,364	0	0	270	0
ALBANY COL OF PHARMACY	200	0	0	0	0	200	0	0	0	0
ALBANY LAW SCHOOL	3	0	0	0	0	3	0	0	0	0
ALBANY MEDICAL COL	6,746	0	11	0	0	5,386	0	236	14	1,099
ALFRED UNIV	168	0	0	0	0	151	0	0	17	0
BANK STREET COL OF ED	26	0	0	0	0	3	0	0	0	23
BARD COL	36	0	0	0	0	36	0	0	0	0
BARNARD COL	283	0	0	0	0	124	77	0	12	70
BENNETT COL **	9	0	0	0	0	9	0	0	0	0
BRIARCLIFF COL	10	0	0	0	0	10	0	0	0	0
BROOKLYN LAW SCHOOL	4	0	0	0	0	4	0	0	0	0
CANISIUS COL	200	0	0	0	0	194	0	0	6	0
CATH COL IMMAC CONCEPTION	20	0	0	0	0	20	0	0	0	0
CAZENOVIA COL **	15	0	0	0	0	15	0	0	0	0
CEN YESH TOM TMIMIM LUBUZ	82	0	0	0	0	82	0	0	0	0
CLARKSON COL OF TECH	1,288	0	136	0	63	414	110	2	563	0
COL OF INSURANCE	1	0	0	0	0	1	0	0	0	0
COL OF MT ST VINCENT	72	0	0	0	0	72	0	0	0	0
COL OF NEW ROCHELLE	39	0	0	0	0	39	0	0	0	0
COL OF PHARMACEUTICAL SCI	236	0	3	0	0	225	0	0	8	0
COL OF ST ROSE	58	0	0	0	0	25	0	0	33	0
COLGATE ROCHESTER DIV SCH	11	0	0	0	0	11	0	0	0	0
COLGATE UNIV	213	0	0	0	0	77	0	0	136	0
COLUMBIA UNIV†	49,574	20	5,030	46	7,274	27,765	120	1,919	6,879	521
COLUMBIA UNIV CEN SYS*	423	0	0	0	0	0	0	0	0	423
CONCORDIA COLLEGE **	21	0	0	0	0	21	0	0	0	0
COOPER UNION	127	0	0	0	0	73	0	0	54	0
CORNELL UNIV	37,972	5,955	1,767	0	3,201	17,271	177	1,270	7,417	914
CUNY BARUCH COL	9	0	0	0	0	9	0	0	0	0
CUNY BORO OF MAN COMM COL **	108	0	0	0	0	108	0	0	0	0
CUNY BRONX COMM COL **	171	0	0	0	54	104	0	0	13	0
CUNY BROOKLYN COL	661	0	29	0	0	264	0	0	368	0
CUNY CENTRAL SYSTEM*	12,963	0	5	0	58	12,096	0	0	399	405
CUNY CITY COL **	1,173	0	51	0	118	286	0	179	539	0
CUNY HUNTER COL	1,355	0	17	0	53	1,039	0	0	246	0
CUNY JOHN JAY C CRIM JUST	278	0	0	0	0	278	0	0	0	0

NEW YORK

ACADEMY OF AERONAUTICS **	4	0	0	0	0	4	0	0	0	0
ADELPHI UNIV	1,634	0	0	0	0	1,364	0	0	270	0
ALBANY COL OF PHARMACY	200	0	0	0	0	200	0	0	0	0
ALBANY LAW SCHOOL	3	0	0	0	0	3	0	0	0	0
ALBANY MEDICAL COL	6,746	0	11	0	0	5,386	0	236	14	1,099
ALFRED UNIV	168	0	0	0	0	151	0	0	17	0
BANK STREET COL OF ED	26	0	0	0	0	3	0	0	0	23
BARD COL	36	0	0	0	0	36	0	0	0	0
BARNARD COL	283	0	0	0	0	124	77	0	12	70
BENNETT COL **	9	0	0	0	0	9	0	0	0	0
BRIARCLIFF COL	10	0	0	0	0	10	0	0	0	0
BROOKLYN LAW SCHOOL	4	0	0	0	0	4	0	0	0	0
CANISIUS COL	200	0	0	0	0	194	0	0	6	0
CATH COL IMMAC CONCEPTION	20	0	0	0	0	20	0	0	0	0
CAZENOVIA COL **	15	0	0	0	0	15	0	0	0	0
CEN YESH TOM TMIMIM LUBUZ	82	0	0	0	0	82	0	0	0	0
CLARKSON COL OF TECH	1,288	0	136	0	63	414	110	2	563	0
COL OF INSURANCE	1	0	0	0	0	1	0	0	0	0
COL OF MT ST VINCENT	72	0	0	0	0	72	0	0	0	0
COL OF NEW ROCHELLE	39	0	0	0	0	39	0	0	0	0
COL OF PHARMACEUTICAL SCI	236	0	3	0	0	225	0	0	8	0
COL OF ST ROSE	58	0	0	0	0	25	0	0	33	0
COLGATE ROCHESTER DIV SCH	11	0	0	0	0	11	0	0	0	0
COLGATE UNIV	213	0	0	0	0	77	0	0	136	0
COLUMBIA UNIV†	49,574	20	5,030	46	7,274	27,765	120	1,919	6,879	521
COLUMBIA UNIV CEN SYS*	423	0	0	0	0	0	0	0	0	423
CONCORDIA COLLEGE **	21	0	0	0	0	21	0	0	0	0
COOPER UNION	127	0	0	0	0	73	0	0	54	0
CORNELL UNIV	37,972	5,955	1,767	0	3,201	17,271	177	1,270	7,417	914
CUNY BARUCH COL	9	0	0	0	0	9	0	0	0	0
CUNY BORO OF MAN COMM COL **	108	0	0	0	0	108	0	0	0	0
CUNY BRONX COMM COL **	171	0	0	0	54	104	0	0	13	0
CUNY BROOKLYN COL	661	0	29	0	0	264	0	0	368	0
CUNY CENTRAL SYSTEM*	12,963	0	5	0	58	12,096	0	0	399	405
CUNY CITY COL **	1,173	0	51	0	118	286	0	179	539	0
CUNY HUNTER COL	1,355	0	17	0	53	1,039	0	0	246	0
CUNY JOHN JAY C CRIM JUST	278	0	0	0	0	278	0	0	0	0
CUNY KINGSBORO COMM COL **	293	0	0	0	0	293	0	0	0	0
CUNY LEHMAN COL	117	0	0	0	0	65	0	0	52	0
CUNY MT SINAI SCH OF MED	10,441	0	35	0	65	10,202	0	0	139	0
CUNY N Y CITY CMTY COL **	91	0	0	0	0	91	0	0	0	0
CUNY QUEENS COL	381	0	40	0	0	182	2	0	157	0
CUNY QUEENSBORO COMM COL **	65	0	0	0	0	63	0	0	2	0
CUNY RICHMOND COL	15	0	0	0	0	15	0	0	0	0
CUNY STATEN ISL COMM COL **	101	0	0	0	0	101	0	0	0	0
CUNY YORK COL	53	0	0	0	0	4	0	0	49	0
D'YOUVILLE COL	298	0	0	0	0	298	0	0	0	0
DOMINICAN COL OF BLAUVELT	11	0	0	0	0	3	0	0	8	0
DOWLING COLLEGE	1,536	0	0	0	0	1,529	0	4	3	0
DUDLEY OBSERVATORY	678	0	0	0	0	0	0	678	0	0
EISENHOWER COL	25	0	0	0	0	25	0	0	0	0
ELIZABETH SETON COL **	12	0	0	0	0	12	0	0	0	0
ELMIRA COL	43	0	0	0	0	43	0	0	0	0
FINCH COL	3	0	0	0	0	3	0	0	0	0
FORDHAM UNIV	1,861	0	25	0	30	1,419	0	91	296	0
FRIENDS WORLD COLLEGE	22	0	0	0	0	22	0	0	0	0
GOOD COUNSEL COL	21	0	0	0	0	21	0	0	0	0
HAMILTON COL	112	0	0	0	0	35	0	5	72	0
HARRIMAN COLLEGE **	6	0	0	0	0	6	0	0	0	0
HARTWICK COL	114	0	0	0	0	114	0	0	0	0
HILBERT COLLEGE **	24	0	0	0	0	24	0	0	0	0
HOBART AND WM SMITH COL	38	0	0	0	0	36	0	0	2	0
HOFSTRA UNIV	766	0	0	0	0	588	45	0	133	0
HOUGHTON COL	51	0	0	0	0	51	0	0	0	0
IONA COL	113	0	0	0	0	107	0	0	6	0
ITHACA COL	209	0	0	0	0	198	0	0	11	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW YORK										
JEWISH THEOL SEM OF AMER	17	0	0	0	0	17	0	0	0	0
JUILLIARD SCHOOL	49	0	0	0	0	49	0	0	0	0
KEUKA COL	896	0	0	0	0	896	0	0	0	0
KINGS COL	49	0	0	0	0	49	0	0	0	0
KIRKLAND COLLEGE	21	0	0	0	0	21	0	0	0	0
LEMOYNE COL	273	0	0	0	0	261	0	0	12	0
LEWI COL OF PODIATRY	287	0	0	0	0	287	0	0	0	0
LONG ISLAND UNIVERSITY	1,120	0	9	0	0	831	0	46	66	168
MANHATTAN COL	593	0	0	0	13	432	0	0	148	0
MANHATTAN SCH OF MUSIC	48	0	0	0	0	48	0	0	0	0
MANHATTANVILLE COL	89	0	0	0	0	78	0	0	11	0
MANNES COL OF MUSIC	16	0	0	0	0	16	0	0	0	0
MARIA COL OF ALBANY **	9	0	0	0	0	9	0	0	0	0
MARIA REGINA COL **	10	0	0	0	0	10	0	0	0	0
MARIST COL	243	0	0	0	0	241	0	0	2	0
MARYMOUNT COL	64	0	0	0	0	64	0	0	0	0
MARYMOUNT MANHATTAN COL	262	0	0	0	0	262	0	0	0	0
MATER DEI COL **	12	0	0	0	0	12	0	0	0	0
MEDAILLE COL	3	0	0	0	0	3	0	0	0	0
MERCY COL	32	0	0	0	0	32	0	0	0	0
MES TOR YODAATH RABIN SEM	74	0	0	0	0	74	0	0	0	0
MESIVTA E PKWY RABBIN SEM	13	0	0	0	0	13	0	0	0	0
MESIVTHA TIFERETH JERU AM	58	0	0	0	0	58	0	0	0	0
MILLS COL OF EDUCATION	13	0	0	0	0	13	0	0	0	0
MIRRER YESHIVA CENT INST	43	0	0	0	0	43	0	0	0	0
MOLLOY COLLEGE	12	0	0	0	0	12	0	0	0	0
MT ST MARY COL	97	0	0	0	0	97	0	0	0	0
N COUNTRY COMMUNITY COL***	67	0	0	0	0	67	0	0	0	0
N Y INST OF TECHNOLOGY	654	0	0	0	0	630	0	0	24	0
NAZARETH COL OF ROCHESTER	57	0	0	0	0	55	0	0	2	0
NEW SCHOOL FOR SOCIAL RES	221	0	0	0	0	168	0	0	53	0
NEW YORK LAW SCHOOL	13	0	0	0	0	13	0	0	0	0
NEW YORK MEDICAL COL	7,880	0	0	0	44	7,732	0	0	104	0
NEW YORK THEOLOGICAL SEM	10	0	0	0	0	10	0	0	0	0
NEW YORK UNIV	37,779	25	2,137	37	2,434	29,647	64	701	2,182	552
NIAGARA UNIV	1,352	0	0	0	0	1,352	0	0	0	0
NOTRE DAME COL STATEN IS	27	0	0	0	0	25	0	0	2	0
NYACK MISSIONARY COL	16	0	0	0	0	16	0	0	0	0
PACE COL	209	0	0	0	0	143	0	0	66	0
PACKER COLEGIATE INST**	3	0	0	0	0	3	0	0	0	0
PARSONS SCHOOL OF DESIGN	26	0	0	0	0	26	0	0	0	0
PAUL SMITHS COL ARTS SCI **	5	0	0	0	0	5	0	0	0	0
POLYTECHNIC INST OF BKLYN	3,991	0	37	0	1,746	988	0	124	948	148
PRATT INST	250	0	0	0	0	250	0	0	0	0
RAB COL BOBOVER YESHIVA	37	0	0	0	0	37	0	0	0	0
RAB SEM NETZACHIVSR RAM	37	0	0	0	0	37	0	0	0	0
RABB COL OF KAMENITZ YESH	43	0	0	0	0	43	0	0	0	0
RABBI JOSEPH RABBINCL COL	54	0	0	0	0	54	0	0	0	0
RABBINICAL SEM OF AMERICA	23	0	0	0	0	23	0	0	0	0
RABBINICL ACAD M R BERLIN	49	0	0	0	0	49	0	0	0	0

MAYER DEI COL **	12	0	0	0	0	12	0	0	0	0
MEDAILLE COL	3	0	0	0	0	3	0	0	0	0
MERCY COL	32	0	0	0	0	32	0	0	0	0
MES TOR YODAATH RABIN SEM	74	0	0	0	0	74	0	0	0	0
MESIVTA E PKWY RABBIN SEM	13	0	0	0	0	13	0	0	0	0
MESIVTHA TIFERETH JERU AM	58	0	0	0	0	58	0	0	0	0
MILLS COL OF EDUCATION	13	0	0	0	0	13	0	0	0	0
MIRRER YESHIVA CENT INST	43	0	0	0	0	43	0	0	0	0
MOLLOY COLLEGE	12	0	0	0	0	12	0	0	0	0
MT ST MARY COL	97	0	0	0	0	97	0	0	0	0
N COUNTRY COMMUNITY COL ***	67	0	0	0	0	67	0	0	0	0
N Y INST OF TECHNOLOGY	654	0	0	0	0	630	0	0	24	0
NAZARETH COL OF ROCHESTER	57	0	0	0	0	55	0	0	2	0
NEW SCHOOL FOR SOCIAL RES	221	0	0	0	0	168	0	0	53	0
NEW YORK LAW SCHOOL	13	0	0	0	0	13	0	0	0	0
NEW YORK MEDICAL COL	7,880	0	0	0	44	7,732	0	0	104	0
NEW YORK THEOLOGICAL SEM	10	0	0	0	0	10	0	0	0	0
NEW YORK UNIV	37,779	25	2,137	37	2,434	29,647	64	701	2,182	552
NIAGARA UNIV	1,352	0	0	0	0	1,352	0	0	0	0
NOTRE DAME COL STATEN IS	27	0	0	0	0	25	0	0	2	0
NYACK MISSIONARY COL	16	0	0	0	0	16	0	0	0	0
PACE COL	209	0	0	0	0	143	0	0	66	0
PACKER COLEGIATE INST **	3	0	0	0	0	3	0	0	0	0
PARSONS SCHOOL OF DESIGN	26	0	0	0	0	26	0	0	0	0
PAUL SMITHS COL ARTS SCI **	5	0	0	0	0	5	0	0	0	0
POLYTECHNIC INST OF BKLYN	3,991	0	37	0	1,746	988	0	124	948	148
PRATT INST	250	0	0	0	0	250	0	0	0	0
RAB COL BOBOVER YESHIVA	37	0	0	0	0	37	0	0	0	0
RAB SEM NETZACHIVSR RAM	37	0	0	0	0	37	0	0	0	0
RABB COL OF KAMENITZ YESH	43	0	0	0	0	43	0	0	0	0
RABBI JOSEPH RABBINCL COL	54	0	0	0	0	54	0	0	0	0
RABBINICAL SEM OF AMERICA	23	0	0	0	0	23	0	0	0	0
RABBINICL ACAD M R BERLIN	49	0	0	0	0	49	0	0	0	0
RABBINICL COL CHSAN SOFER	46	0	0	0	0	46	0	0	0	0
RENSSELAER POLYTECH INST	6,520	0	1,142	35	1,279	905	1,016	818	1,299	26
ROBERTS WESLEYAN COL	117	0	0	0	0	117	0	0	0	0
ROCHESTER INST OF TECH	523	0	0	0	20	295	145	0	63	0
ROCKEFELLER UNIV	5,544	0	202	0	55	4,917	0	0	370	0
ROSARY HILL COL	118	0	0	0	0	118	0	0	0	0
RUSSELL SAGE COL	176	0	0	0	0	171	0	0	5	0
SARAH LAWRENCE COL	199	0	0	0	0	188	0	0	11	0
SIENA COLLEGE	123	0	0	0	0	123	0	0	0	0
SKIDMORE COL	271	0	0	0	0	149	0	0	122	0
ST BONAVENTURE UNIV	66	0	4	0	0	48	0	0	14	0
ST FRANCIS COL	377	0	0	0	0	377	0	0	0	0
ST JOHN FISHER COL	73	0	0	0	0	39	0	0	34	0
ST JOHNS UNIV	691	0	0	0	18	572	0	0	101	0
ST JOSEPHS COL FOR WOMEN	3	0	0	0	0	3	0	0	0	0
ST LAWRENCE UNIV	358	0	0	0	0	120	0	0	238	0
ST THOMAS AQUINAS COL	14	0	0	0	0	14	0	0	0	0
ST VLADIMIRS THEOL SEM	8	0	0	0	0	8	0	0	0	0
SUNY A&T COL ALFRED **	254	0	0	0	0	222	0	32	0	0
SUNY A&T COL CANTON **	132	0	0	0	0	130	0	0	2	0
SUNY A&T COL COBLESKILL **	116	0	0	0	0	106	0	0	10	0
SUNY A&T COL DELHI **	151	0	0	0	0	151	0	0	0	0
SUNY A&T COL FARMINGDALE **	254	0	0	0	0	254	0	0	0	0
SUNY A&T COL MORRISVILLE **	46	0	0	0	0	46	0	0	0	0
SUNY ADIRONDACK CMTY COL **	33	0	0	0	0	33	0	0	0	0
SUNY AUBURN CMTY COL **	19	0	0	0	0	19	0	0	0	0
SUNY BROOME TECH CMTY COL **	102	0	0	0	0	102	0	0	0	0
SUNY CENTRAL SYSTEM*	232	1	0	35	0	78	0	0	15	103
SUNY CLINTON CMTY COL **	40	0	0	0	0	40	0	0	0	0
SUNY CMTY C FINGER LAKES **	17	0	0	0	0	17	0	0	0	0
SUNY COL AT OLD WESTBURY	42	0	0	0	0	42	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW YORK										
SUNY COL BROCKPORT*	278	0	0	0	0	243	0	0	35	0
SUNY COL BUFFALO	1,195	0	0	0	0	1,081	0	0	114	0
SUNY COL CORTLAND	281	0	0	0	0	271	0	0	10	0
SUNY COL FORESTRY SYR U	521	93	0	0	0	208	21	0	199	0
SUNY COL FREDONIA	412	0	0	0	0	338	0	0	74	0
SUNY COL GENESEO	471	0	0	0	0	429	0	0	42	0
SUNY COL NEW PALTZ	179	0	0	0	0	176	0	0	3	0
SUNY COL ONEONTA	346	0	0	0	0	303	0	0	43	0
SUNY COL OSWEGO	360	0	0	0	0	262	0	0	98	0
SUNY COL PLATTSBURGH	574	0	0	0	0	570	0	0	4	0
SUNY COL POTSDAM	318	0	0	0	0	170	0	0	148	0
SUNY COL PURCHASE	19	0	0	0	0	19	0	0	0	0
SUNY COLUMBIA GREENE C C **	7	0	0	0	0	7	0	0	0	0
SUNY CORNING CMTY COL **	78	0	0	0	0	78	0	0	0	0
SUNY DOWNSTATE MED CTR	6,246	0	0	0	131	6,002	0	4	109	0
SUNY DUTCHESS CMTY COL **	44	0	0	0	0	44	0	0	0	0
SUNY ERIE COUNTY CMTY COL **	229	0	0	0	0	229	0	0	0	0
SUNY FASHION INST TECH **	1,540	0	0	0	0	1,540	0	0	0	0
SUNY FULTON-MONT CMTY COL **	47	0	0	0	0	47	0	0	0	0
SUNY GENESEE CMTY COL **	42	0	0	0	0	42	0	0	0	0
SUNY HERKIMER CNTY CMTY C **	29	0	0	0	0	29	0	0	0	0
SUNY HUDSON VAL CMTY COL **	208	0	0	0	0	208	0	0	0	0
SUNY JAMESTOWN CMTY COL**	32	0	0	0	0	32	0	0	0	0
SUNY JEFFERSON CMTY COL**	35	0	0	0	0	35	0	0	0	0
SUNY MARITIME COLLEGE	102	0	3	75	0	17	0	0	7	0
SUNY MOHAWK VAL CMTY COL **	91	0	0	0	0	85	0	0	6	0
SUNY MONROE CMTY COL **	246	0	0	0	0	246	0	0	0	0
SUNY NASSAU CMTY COL **	148	0	0	0	0	148	0	0	0	0
SUNY NIAGARA CNTY CMTY C **	48	0	0	0	0	48	0	0	0	0
SUNY ONONDAGA CNTY CMTY C **	1,539	0	0	0	0	1,539	0	0	0	0
SUNY ORANGE CNTY CMTY COL **	88	0	0	0	0	88	0	0	0	0
SUNY ROCKLAND CMTY COL **	87	0	0	0	0	87	0	0	0	0
SUNY SCHENECTADY CNTY C C **	83	0	0	0	0	83	0	0	0	0
SUNY ST U ALBANY	5,280	0	39	0	1,089	2,348	74	52	1,678	0
SUNY ST U BINGHAMTON	1,295	0	0	0	0	579	0	0	716	0
SUNY ST U BUFFALO	15,216	0	204	0	366	13,257	98	157	1,031	103
SUNY ST U STONY BROOK	7,814	0	861	0	51	1,845	0	414	4,393	250
SUNY SUFFOLK CNTY CMTY C **	256	0	0	0	0	256	0	0	0	0
SUNY SULLIVAN CNTY CMTY C **	58	0	0	0	0	58	0	0	0	0
SUNY TOMP-CORT CMTY COL **	31	0	0	0	0	31	0	0	0	0
SUNY ULSTER CNTY CMTY COL**	67	0	0	0	0	67	0	0	0	0
SUNY UPSTATE MED CTR	3,495	0	8	0	49	3,357	0	0	81	0
SUNY WESTCHESTER CMTY COL**	40	0	0	0	0	40	0	0	0	0
SYRACUSE UNIV	8,946	17	208	0	1,228	4,700	144	446	2,052	151
TEACHERS COL	5,222	0	0	0	0	4,732	0	0	490	0
TROCAIRE COL **	28	0	0	0	0	28	0	0	0	0
UNION COL	447	0	0	0	0	175	18	0	254	0
UNION COL & UNIV CEN SYS*	194	0	0	0	0	194	0	0	0	0
UNION THEOL SEMINARY	51	0	0	0	0	51	0	0	0	0
UNIV OF ROCHESTER	25,190	0	5,061	0	884	14,641	0	233	4,255	116
VASSAR COL	113	0	0	0	0	63	0	0	50	0
VILLA MARIA COL BUFFALO **	13	0	0	0	0	13	0	0	0	0
VOORHEES TECH INST **	3	0	0	0	0	3	0	0	0	0
WADHAMS HALL	1	0	0	0	0	1	0	0	0	0
WAGNER COL	171	0	0	0	0	171	0	0	38	0

SUNY JAMESTOWN CMTY COL**	32	0	0	0	0	35	0	0	0	0
SUNY JEFFERSON CMTY COL**	35	0	0	0	0	35	0	0	0	0
SUNY MARITIME COLLEGE	102	0	3	75	0	17	0	0	7	0
SUNY MOHAWK VAL CMTY COL **	91	0	0	0	0	85	0	0	6	0
SUNY MONROE CMTY COL **	246	0	0	0	0	246	0	0	0	0
SUNY NASSAU CMTY COL **	148	0	0	0	0	148	0	0	0	0
SUNY NIAGARA CNTY CMTY C **	48	0	0	0	0	48	0	0	0	0
SUNY ONONDAGA CNTY CMTY C **	1,539	0	0	0	0	1,539	0	0	0	0
SUNY ORANGE CNTY CMTY COL **	88	0	0	0	0	88	0	0	0	0
SUNY ROCKLAND CMTY COL **	87	0	0	0	0	87	0	0	0	0
SUNY SCHENECTADY CNTY C C **	83	0	0	0	0	83	0	0	0	0
SUNY ST U ALBANY	5,280	0	39	0	1,089	2,348	74	52	1,678	0
SUNY ST U BINGHAMTON	1,295	0	0	0	0	579	0		716	0
SUNY ST U BUFFALO	15,216	0	204	0	366	13,257	98	15	1,031	103
SUNY ST U STONY BROOK	7,814	0	861	0	51	1,845	0	41	4,393	250
SUNY SUFFOLK CNTY CMTY C **	256	0	0	0	0	256	0	0	0	0
SUNY SULLIVAN CNTY CMTY C **	58	0	0	0	0	58	0	0	0	0
SUNY TOMP-CORT CMTY COL **	31	0	0	0	0	31	0	0	0	0
SUNY ULSTER CNTY CMTY COL **	67	0	0	0	0	67	0	0	0	0
SUNY UPSTATE MED CTR	3,495	0	8	0	49	3,357	0	0	81	0
SUNY WESTCHESTER CMTY COL**	40	0	0	0	0	40	0	0	0	0
SYRACUSE UNIV	8,946	17	208	0	1,228	4,700	144	446	2,052	151
TEACHERS COL	5,222	0	0	0	0	4,732	0	0	490	0
TROCAIRE COL**	28	0	0	0	0	28	0	0	0	0
UNION COL	447	0	0	0	0	175	18	0	254	0
UNION COL & UNIV CEN SYS*	194	0	0	0	0	194	0	0	0	0
UNION THEOL SEMINARY	51	0	0	0	0	51	0	0	0	0
UNIV OF ROCHESTER	25,190	0	5,061	0	884	14,641	0	233	4,255	116
VASSAR COL	113	0	0	0	0	63	0	0	50	0
VILLA MARIA COL BUFFALO **	13	0	0	0	0	13	0	0	0	0
VOORHEES TECH INST **	3	0	0	0	0	3	0	0	0	0
WADHAMS HALL	1	0	0	0	0	1	0	0	0	0
WAGNER COL	171	0	0	0	0	171	0	0	0	0
WEBB INST OF NAVAL ARCH	41	0	0	0	0	3	0	0	38	0
WELLS COL	26	0	0	0	0	26	0	0	0	0
YESH BETH SHEAR RABB INST	39	0	0	0	0	39	0	0	0	0
YESHIVA UNIV	22,774	0	135	0	757	19,051	75	0	2,506	250
TOTAL NEW YORK	320,298	6,111	17,199	228	21,080	218,517	2,186	7,411	42,244	5,322
NORTH CAROLINA										
APPALACHIAN STATE UNIV	526	0	0	0	0	490	0	0	36	0
ASHVLL-BUNCOMBE TECH INST **	8	0	0	0	0	8	0	0	0	0
ATLANTIC CHRISTIAN COL	163	0	0	0	0	163	0	0	0	0
BARBER-SCOTIA COL	209	0	0	0	0	209	0	0	0	0
BEAUFORT COUNTY TECH-INST **	8	0	0	0	0	8	0	0	0	0
BELMONT ABBEY COL	66	0	0	0	0	60	0	0	6	0
BENNETT COL	742	0	0	0	0	693	0	0	49	0
BREVARD COL**	28	0	0	0	0	28	0	0	0	0
CALDWELL TECHNICAL INST **	34	0	0	0	0	34	0	0	0	0
CAMPBELL COL	273	0	0	0	0	266	0	0	7	0
CAPE FEAR TECHNICAL INST **	221	0	0	0	0	11	0	0	210	0
CARTERET TECHNICAL INST **	20	0	0	0	0	20	0	0	0	0
CATAWBA COL	125	0	0	0	0	118	0	0	7	0
CATAWBA VALLEY TECH INST **	61	0	0	0	0	61	0	0	0	0
CENTRAL CAROLINA TECH INS **	29	0	0	0	0	29	0	0	0	0
CENTRAL PIEDMONT COMM COL **	134	0	0	0	0	134	0	0	0	0
CHOWAN COL **	60	0	0	0	0	56	0	0	4	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NORTH CAROLINA										
COASTAL CAROLINA COMM COL **	98	0	0	0	0	98	0	0	0	0
COL OF THE ALBEMARLE **	429	0	0	0	0	429	0	0	0	0
CRAVEN TECHNICAL INST **	55	0	0	0	0	55	0	0	0	0
DAVIDSON COL	86	0	0	0	0	86	0	0	0	0
DAVIDSON COUNTY COMM COL **	24	0	0	0	0	24	0	0	0	0
DUKE UNIV	27,754	2	1,005	15	3,283	20,796	19	149	2,329	156
DURHAM TECHNICAL INST **	33	0	0	0	0	33	0	0	0	0
EAST CAROLINA UNIV	864	0	0	0	0	660	0	0	204	0
ELIZABETH CITY STATE UNIV	603	0	0	0	0	603	0	0	0	0
ELON COL	192	0	0	0	0	190	0	0	2	0
FAYETTEVILLE STATE UNIV	325	0	0	0	0	325	0	0	0	0
FAYETTEVILLE TECH INST **	200	0	0	0	0	200	0	0	0	0
FORSYTH TECHNICAL INST **	21	0	0	0	0	21	0	0	0	0
GARDNER-WEBB COL	128	0	0	0	0	128	0	0	0	0
GASTON COL **	100	0	0	0	0	100	0	0	0	0
GREENSBORO COL	40	0	0	0	0	40	0	0	0	0
GUILFORD COL	139	0	0	0	0	132	0	0	7	0
GUILFORD TECHNICAL INST **	74	0	0	0	0	74	0	0	0	0
HAYWOOD TECHNICAL INST **	7	0	0	0	0	7	0	0	0	0
HIGH POINT COL	23	0	0	0	0	23	0	0	0	0
ISOTHERMAL COMM COL **	34	0	0	0	0	34	0	0	0	0
JOHNSON C SMITH UNIV	646	0	0	0	0	646	0	0	0	0
KINGS COL **	7	0	0	0	0	7	0	0	0	0
KITTRELL COL **	116	0	0	0	0	116	0	0	0	0
LEES-MCRAE COL **	84	0	0	0	0	84	0	0	0	0
LENOIR COUNTY COMM COL **	68	0	0	0	0	68	0	0	0	0
LENOIR-RHYNE COL	71	0	0	0	0	71	0	0	0	0
LIVINGSTONE COL	450	0	0	0	0	450	0	0	0	0
LOUISBURG COL **	30	0	0	0	0	29	0	0	1	0
MARS HILL COL	191	0	0	0	0	191	0	0	0	0
MARTIN TECHNICAL INST **	20	0	0	0	0	20	0	0	0	0
MEREDITH COL	58	0	0	0	0	58	0	0	0	0
METHODIST COL	42	0	0	0	0	42	0	0	0	0
MITCHELL COL **	3	0	0	0	0	3	0	0	0	0
MONTREAT-ANDERSON COL **	56	0	0	0	0	56	0	0	0	0
MT OLIVE JR COL **	171	0	0	0	0	171	0	0	0	0
N C AGRIC & TECH ST UNIV	2,074	46	0	0	0	1,379	0	39	266	344
N C SCHOOL OF THE ARTS	49	0	0	0	0	49	0	0	0	0
N C STATE UNIV AT RALEIGH	15,284	7,785	506	14	946	3,188	225	752	1,474	394
N C WESLEYAN COL	123	0	0	0	0	121	0	0	2	0
NO CAROLINA CENTRAL UNIV	1,176	0	0	0	0	1,109	0	0	67	0
PEACE COL **	3	0	0	0	0	3	0	0	0	0
PEMBROKE STATE UNIVERSITY	232	0	0	0	0	232	0	0	0	0
PFEIFFER COL	194	0	0	0	0	179	0	0	15	0
PITT TECHNICAL INSTITUTE **	37	0	0	0	0	37	0	0	0	0
QUEENS COL	47	0	0	0	0	31	0	0	16	0
RANDOLPH TECHNICAL INST **	7	0	0	0	0	7	0	0	0	0
RICHMOND TECHNICAL INST **	367	0	0	0	0	367	0	0	0	0

GREENSBORO COL	40	0	0	0	0	40	0	0	0	0
GUILFORD COL	139	0	0	0	0	132	0	0	7	0
GUILFORD TECHNICAL INST **	74	0	0	0	0	74	0	0	0	0
HAYWOOD TECHNICAL INST **	7	0	0	0	0	7	0	0	0	0
HIGH POINT COL	23	0	0	0	0	23	0	0	0	0
ISOTHERMAL COMM COL **	34	0	0	0	0	34	0	0	0	0
JOHNSON C SMITH UNIV	646	0	0	0	0	646	0	0	0	0
KINGS COL **	7	0	0	0	0	7	0	0	0	0
KITTRELL COL **	116	0	0	0	0	116	0	0	0	0
LEES-MCRAE COL **	84	0	0	0	0	84	0	0	0	0
LENOIR COUNTY COMM COL **	68	0	0	0	0	68	0	0	0	0
LENOIR-RHYNE COL	71	0	0	0	0	71	0	0	0	0
LIVINGSTONE COL	450	0	0	0	0	450	0	0	0	0
LOUISBURG COL **	30	0	0	0	0	29	0	0	1	0
MARS HILL COL	191	0	0	0	0	191	0	0	0	0
MARTIN TECHNICAL INST**	20	0	0	0	0	20	0	0	0	0
MEREDITH COL	58	0	0	0	0	58	0	0	0	0
METHODIST COL	42	0	0	0	0	42	0	0	0	0
MITCHELL COL **	3	0	0	0	0	3	0	0	0	0
MONTREAT-ANDERSON COL **	56	0	0	0	0	56	0	0	0	0
MT OLIVE JR COL**	171	0	0	0	0	171	0	0	0	0
N C AGRIC & TECH ST UNIV	2,074	46	0	0	0	1,379	0	39	266	344
N C SCHOOL OF THE ARTS	49	0	0	0	0	49	0	0	0	0
N C STATE UNIV AT RALEIGH	15,284	7,785	506	14	946	3,188	225	752	1,474	394
N C WESLEYAN COL	123	0	0	0	0	121	0	0	2	0
NO CAROLINA CENTRAL UNIV	1,176	0	0	0	0	1,109	0	0	67	0
PEACE COL **	3	0	0	0	0	3	0	0	0	0
PEMBROKE STATE UNIVERSITY	232	0	0	0	0	232	0	0	0	0
PFEIFFER COL	194	0	0	0	0	179	0	0	15	0
PITT TECHNICAL INSTITUTE **	37	0	0	0	0	37	0	0	0	0
QUEENS COL	47	0	0	0	0	31	0	0	16	0
RANDOLPH TECHNICAL INST **	7	0	0	0	0	7	0	0	0	0
RICHMOND TECHNICAL INST **	367	0	0	0	0	367	0	0	0	0
ROCKINGHAM COMM COL **	76	0	0	0	0	76	0	0	0	0
ROWAN TECHNICAL INSTITUTE **	9	0	0	0	0	9	0	0	0	0
SACRED HEART COL	63	0	0	0	0	63	0	0	0	0
SALEM COL	3	0	0	0	0	3	0	0	0	0
SANDHILLS COMM COL **	162	0	0	0	0	162	0	0	0	0
SHAW UNIV	1,129	0	0	0	0	825	0	0	0	304
SOUTHEASTERN COMM COL **	241	0	0	0	0	241	0	0	0	0
SOUTHERN PILGRIM COL **	8	0	0	0	0	8	0	0	0	0
SOUTHWESTERN TECH INST **	19	0	0	0	0	19	0	0	0	0
ST ANDREWS PRESBY COL	248	0	0	0	0	207	0	0	41	0
ST AUGUSTINES COL	703	0	0	0	0	625	0	0	78	0
SURRY COMM COL **	100	0	0	0	0	100	0	0	0	0
TECH INST OF ALAMANCE**	31	0	0	0	0	31	0	0	0	0
U OF NO CAROLINA AT WILMT	183	0	0	0	0	181	0	0	2	0
UNIV OF N C AT ASHEVILLE	94	0	0	0	0	72	0	0	22	0
UNIV OF N C AT CHAP HILL	33,359	0	462	0	1,186	28,889	53	79	2,150	540
UNIV OF N C AT CHARLOTTE	175	0	0	0	0	120	0	0	55	0
UNIV OF N C AT GREENSBORO	617	0	0	0	0	514	0	0	103	0
UNIV OF N C CEN SYS*	38	0	0	0	24	0	0	0	14	0
W W HOLDING TECH INST **	20	0	0	0	0	20	0	0	0	0
WAKE FOREST UNIV	4,419	0	59	0	0	4,193	0	0	167	0
WARREN WILSON COL	264	0	0	0	0	261	0	0	3	0
WAYNE COMMUNITY COLLEGE **	207	0	0	0	0	207	0	0	0	0
WESTERN CAROLINA UNIV	350	0	0	100	0	195	0	0	55	0
WESTERN PIEDMONT COMM COL **	54	0	0	0	0	54	0	0	0	0
WILKES COMM COL **	5	0	0	0	0	5	0	0	0	0
WILSON COUNTY TECH INST **	16	0	0	0	0	16	0	0	0	0
WINGATE COL **	8	0	0	0	0	8	0	0	0	0
WINSTON-SALEM STATE UNIV	656	0	0	0	0	628	0	0	0	28
TOTAL NORTH CAROLINA	98,799	7,833	2,032	129	5,439	72,892	297	1,019	7,392	1,766
NORTH DAKOTA										
ASSUMPTION COL **	9	0	0	0	0	9	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NORTH DAKOTA										
BISMARCK JR COL **	29	0	0	0	0	29	0	0	0	0
DICKINSON STATE COL	131	0	0	0	0	131	0	0	0	0
JAMESTOWN COL	534	0	0	0	0	519	0	0	15	0
LAKE REGION JR COL **	47	0	0	0	0	47	0	0	0	0
MARY COL	136	0	0	0	0	136	0	0	0	0
MAYVILLE STATE COL	108	0	0	0	0	108	0	0	0	0
MINOT ST COL	459	0	0	0	0	259	0	0	200	0
NORTH DAKOTA ST SCH SCI **	179	0	0	0	0	179	0	0	0	0
NORTH DAKOTA STATE UNIV	3,927	1,973	1	121	189	1,316	85	0	242	0
UNIV OF NORTH DAKOTA	3,197	0	46	0	271	2,404	16	0	460	0
VALLEY CITY STATE COL	185	0	0	0	0	185	0	0	0	0
TOTAL NORTH DAKOTA	8,941	1,973	47	121	460	5,322	101	0	917	0
OHIO										
ANTIOCH COL	937	0	0	0	68	667	0	0	202	0
ART ACADEMY OF CINCINNATI	4	0	0	0	0	4	0	0	0	0
ASHLAND COL	77	0	0	0	0	77	0	0	0	0
ATHENAEUM OF OHIO	30	0	0	0	0	30	0	0	0	0
BALDWIN-WALLACE COL	486	0	0	0	0	432	0	0	54	0
BLUFFTON COL	259	0	0	0	0	248	0	0	11	0
BORROMEO SEMINARY OF OHIO	20	0	0	0	0	20	0	0	0	0
BOWLING GREEN STATE UNIV	1,153	0	0	0	0	648	0	11	484	10
CAPITAL UNIV	168	0	0	0	0	125	0	0	43	0
CASE WESTERN RESERVE UNIV	24,361	0	992	0	2,523	17,759	110	803	2,108	66
CEDARVILLE COL	54	0	0	0	0	50	0	0	4	0
CENTRAL STATE UNIV	1,376	0	0	0	0	1,043	0	0	48	285
CLARK CO TECHNICAL INST **	21	0	0	0	0	21	0	0	0	0
CLEVELAND INST OF ART	3	0	0	0	0	3	0	0	0	0
CLEVELAND INST OF MUSIC	21	0	0	0	0	21	0	0	0	0
CLEVELAND STATE UNIV	842	0	0	0	30	679	4	35	94	0
COL MT ST JOSEPH-ON-OHIO	124	0	0	0	0	124	0	0	0	0
COL OF STEUBENVILLE	112	0	0	0	0	112	0	0	0	0
COL OF WOOSTER	116	0	0	0	0	87	0	0	29	0
COLUMBUS COL ART & DESIGN	58	0	0	0	0	58	0	0	0	0
CUYAHOGA COMM COL **	350	0	0	0	0	350	0	0	0	0
DEFIANCE COL	168	0	0	0	0	158	0	0	10	0
DENISON UNIV	102	0	0	0	0	31	0	0	71	0
DYKE COL	8	0	0	0	0	8	0	0	0	0
EDGECLIFF COLLEGE	70	0	0	0	0	70	0	0	0	0
FINDLAY COL	122	0	0	0	0	122	0	0	0	0
FRANKLIN UNIV	5	0	0	0	0	5	0	0	0	0
HEIDELBERG COL	108	0	2	0	0	90	9	0	7	0
HIRAM COL	189	0	1	0	0	179	0	0	9	0
JOHN CARROLL UNIV	346	0	0	0	66	121	0	42	117	0
KENT STATE UNIV	2,343	0	40	0	247	1,198	0	0	717	141
KENYON COL	86	0	5	0	0	48	0	0	33	0
LAKE ERIE COL	13	0	0	0	0	3	0	0	10	0
LORAIN COUNTY COMM COL **	104	0	0	0	0	104	0	0	0	0
MALONE COL	138	0	0	0	0	138	0	0	0	0
MARIETTA COL	165	0	0	0	0	165	0	0	0	0
MARY MANSE COL	19	0	0	0	0	16	0	0	3	0
MED COL OF OHIO AT TOLEDO	1,359	0	0	0	0	1,319	0	0	40	0
MIAMI UNIV	988	0	0	0	186	574	0	0	228	0
MIAMI-JACOBS JR COL BUS **	15	0	0	0	0	15	0	0	0	0
[illegible]	[illegible]	0	0	0	0	114	0	0	4	0

ATHENAEUM OF OHIO	30	0	0	0	0	30	0	0	0	0
BALDWIN-WALLACE COL	486	0	0	0	0	432	0	0	54	0
BLUFFTON COL	259	0	0	0	0	248	0	0	11	0
BORROMEO SEMINARY OF OHIO	20	0	0	0	0	20	0	0	0	0
BOWLING GREEN STATE UNIV	1,153	0	0	0	0	648	0	11	484	10
CAPITAL UNIV	168	0	0	0	0	125	0	0	43	0
CASE WESTERN RESERVE UNIV	24,361	0	992	0	2,523	17,759	110	803	2,108	66
CEDARVILLE COL	54	0	0	0	0	50	0	0	4	0
CENTRAL STATE UNIV	1,376	0	0	0	0	1,043	0	0	48	285
CLARK CO TECHNICAL INST **	21	0	0	0	0	21	0	0	0	0
CLEVELAND INST OF ART	3	0	0	0	0	3	0	0	0	0
CLEVELAND INST OF MUSIC	21	0	0	0	0	21	0	0	0	0
CLEVELAND STATE UNIV	842	0	0	0	30	679	4	35	94	0
COL MT ST JOSEPH-ON-OHIO	124	0	0	0	0	124	0	0	0	0
COL OF STEUBENVILLE	112	0	0	0	0	112	0	0	0	0
COL OF WOOSTER	116	0	0	0	0	87	0	0	29	0
COLUMBUS COL ART & DESIGN	58	0	0	0	0	58	0	0	0	0
CUYAHOGA COMM COL **	350	0	0	0	0	350	0	0	0	0
DEFIANCE COL	168	0	0	0	0	158	0	0	10	0
DENISON UNIV	102	0	0	0	0	31	0	0	71	0
DYKE COL	8	0	0	0	0	8	0	0	0	0
EDGECLIFF COLLEGE	70	0	0	0	0	70	0	0	0	0
FINDLAY COL	122	0	0	0	0	122	0	0	0	0
FRANKLIN UNIV	5	0	0	0	0	5	0	0	0	0
HEIDELBERG COL	108	0	2	0	0	90	9	0	7	0
HIRAM COL	189	0	1	0	0	179	0	0	9	0
JOHN CARROLL UNIV	346	0	0	0	66	121	0	42	117	0
KENT STATE UNIV	2,343	0	40	0	247	1,198	0	0	717	141
KENYON COL	86	0	5	0	0	48	0	0	33	0
LAKE ERIE COL	13	0	0	0	0	3	0	0	10	0
LORAIN COUNTY COMM COL **	104	0	0	0	0	104	0	0	0	0
MALONE COL	138	0	0	0	0	138	0	0	0	0
MARIETTA COL	165	0	0	0	0	165	0	0	0	0
MARY MANSE COL	19	0	0	0	0	16	0	0	3	0
MED COL OF OHIO AT TOLEDO	1,359	0	0	0	0	1,319	0	0	40	0
MIAMI UNIV	988	0	0	0	186	574	0	0	228	0
MIAMI-JACOBS JR COL BUS **	15	0	0	0	0	15	0	0	0	0
MT UNION COL	118	0	0	0	0	114	0	0	4	0
MT VERNON NAZARENE COL **	96	0	0	0	0	96	0	0	0	0
MUSKINGUM AREA TECH INST **	30	0	0	0	0	30	0	0	0	0
MUSKINGUM COL	79	0	0	0	0	69	0	0	10	0
NOTRE DAME COL	77	0	0	0	0	77	0	0	0	0
OBERLIN COL	342	0	0	0	0	246	0	0	96	0
OHIO COL OF PODIATRIC MED	347	0	0	0	0	347	0	0	0	0
OHIO DOMINICAN COL	188	0	0	0	0	181	0	0	7	0
OHIO NORTHERN UNIV	573	0	0	0	0	324	0	0	249	0
OHIO STATE UNIV	46,587	5,998	831	0	3,337	30,951	466	763	3,237	1,004
OHIO TECH INST	15	0	0	0	0	15	0	0	0	0
OHIO UNIV	2,445	0	190	0	247	1,355	0	0	615	38
OHIO WESLEYAN UNIV	657	0	0	0	0	261	0	0	396	0
OTTERBEIN COL	262	0	0	0	0	252	0	0	10	0
PONTIFICAL COL JOSEPHINUM	43	0	0	0	0	43	0	0	0	0
RABBINICAL COL OF TELSHE	79	0	0	0	0	79	0	0	0	0
RIO GRANDE COL	310	0	0	0	0	310	0	0	0	0
SALMON CHASE COL SCH LAW	3	0	0	0	0	3	0	0	0	0
SINCLAIR COL **	2,324	0	0	0	0	2,324	0	0	0	0
ST JOHN COL OF CLEVELAND	102	0	0	0	0	102	0	0	0	0
TIFFIN UNIV	3	0	0	0	0	3	0	0	0	0
UNITED THEOL SEMINARY	32	0	0	0	0	32	0	0	0	0
UNIV OF AKRON	667	0	0	0	49	291	0	0	327	0
UNIV OF CINCINNATI	47,221	0	184	0	1,599	44,681	57	202	498	0
UNIV OF DAYTON	4,745	0	15	0	3,830	709	0	0	191	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
OHIO										
UNIV OF TOLEDO	849	0	45	0	11	606	0	20	167	0
URBANA COL	149	0	0	0	0	149	0	0	0	0
URSULINE COL	359	0	0	0	0	359	0	0	0	0
WALSH COL	416	0	0	0	0	416	0	0	0	0
WESTERN COL FOR WOMEN	30	0	0	0	0	30	0	0	0	0
WILBERFORCE UNIV	1,614	0	0	0	0	1,614	0	0	0	0
WILMINGTON COL	175	0	0	0	0	167	0	0	8	0
WITTENBERG UNIV	292	0	0	0	5	272	0	0	15	0
WRIGHT STATE UNIV	1,278	0	0	0	407	828	0	0	43	0
XAVIER UNIV	67	0	0	0	0	57	0	0	10	0
YOUNGSTOWN STATE UNIV	288	0	0	0	0	243	0	0	45	0
TOTAL OHIO	149,782	5,998	2,305	0	12,605	114,558	646	1,876	10,250	1,544
OKLAHOMA										
ALTUS JR COL**	18	0	0	0	0	18	0	0	0	0
BACONE COL**	223	0	0	0	0	223	0	0	0	0
BARTLESVILLE WESLEYAN COL	37	0	0	0	0	37	0	0	0	0
BETHANY-NAZARENE COL	161	0	0	0	0	159	0	0	2	0
CAMERON STATE AGR COL	159	0	0	0	0	157	0	0	2	0
CENTRAL STATE COL	508	0	0	0	0	504	0	0	4	0
CONNORS STATE COLLEGE **	139	0	0	0	0	139	0	0	0	0
EAST CENTRAL STATE COL	433	0	0	0	0	401	0	0	32	0
EASTERN OKLA STATE COL **	81	0	0	0	0	81	0	0	0	0
EL RENO COL **	341	0	0	0	0	341	0	0	0	0
LANGSTON UNIV	641	16	0	0	0	615	0	0	10	0
MURRAY STATE COLLEGE **	117	0	0	0	0	117	0	0	0	0
NORTHEASTERN OKLA A&M COL **	151	0	0	0	0	151	0	0	0	0
NORTHEASTERN STATE COL	537	0	0	0	0	529	0	0	8	0
NORTHERN OKLAHOMA COL **	83	0	0	0	0	83	0	0	0	0
NORTHWESTERN STATE COL	113	0	0	0	0	101	0	0	12	0
OKLAHOMA BAPTIST UNIV	254	0	0	0	0	254	0	0	0	0
OKLAHOMA CHRISTIAN COL	234	0	0	0	0	234	0	0	0	0
OKLAHOMA CITY UNIV	172	0	0	0	0	151	0	0	21	0
OKLAHOMA COL LIBERAL ARTS	153	0	0	0	0	153	0	0	0	0
OKLAHOMA MILITARY ACADEMY **	204	0	0	0	0	204	0	0	0	0
OKLAHOMA STATE UNIV	9,077	3,679	42	0	962	2,487	190	729	980	8

BARTLESVILLE WESLEYAN COL	37	0	0	0	0	37	0	0	0	0
BETHANY-NAZARENE COL	161	0	0	0	0	159	0	0	2	0
CAMERON STATE AGR COL	159	0	0	0	0	157	0	0	2	0
CENTRAL STATE COL	508	0	0	0	0	504	0	0	4	0
CONNORS STATE COLLEGE **	139	0	0	0	0	139	0	0	0	0
EAST CENTRAL STATE COL	433	0	0	0	0	401	0	0	32	0
EASTERN OKLA STATE COL **	81	0	0	0	0	81	0	0	0	0
EL RENO COL **	341	0	0	0	0	341	0	0	0	0
LANGSTON UNIV	641	16	0	0	0	615	0	0	10	0
MURRAY STATE COLLEGE **	117	0	0	0	0	117	0	0	0	0
NORTHEASTERN OKLA A&M COL **	151	0	0	0	0	151	0	0	0	0
NORTHEASTERN STATE COL	537	0	0	0	0	529	0	0	8	0
NORTHERN OKLAHOMA COL **	83	0	0	0	0	83	0	0	0	0
NORTHWESTERN STATE COL	113	0	0	0	0	101	0	0	12	0
OKLAHOMA BAPTIST UNIV	254	0	0	0	0	254	0	0	0	0
OKLAHOMA CHRISTIAN COL	234	0	0	0	0	234	0	0	0	0
OKLAHOMA CITY UNIV	172	0	0	0	0	151	0	0	21	0
OKLAHOMA COL LIBERAL ARTS	153	0	0	0	0	153	0	0	0	0
OKLAHOMA MILITARY ACADEMY **	204	0	0	0	0	204	0	0	0	0
OKLAHOMA STATE UNIV	9,077	3,679	42	0	962	2,487	190	729	980	8
ORAL ROBERTS UNIV	115	0	0	0	0	115	0	0	0	0
OSCAR ROSE JR COLLEGE	28	0	0	0	0	28	0	0	0	0
PANHANDLE STATE COLLEGE	104	0	0	0	0	104	0	0	0	0
PHILLIPS UNIV	132	0	0	0	0	132	0	0	0	0
POTEAU COMM COL **	133	0	0	0	0	133	0	0	0	0
SEMINOLE JR COL **	380	0	0	0	0	377	0	0	3	0
SOUTHEASTERN STATE COL	646	0	0	0	0	439	0	130	77	0
SOUTHWESTERN COL **	43	0	0	0	0	43	0	0	0	0
SOUTHWESTERN STATE COL	820	0	0	0	0	660	0	0	160	0
ST GREGORYS COL **	232	0	0	0	0	232	0	0	0	0
UNIV OF OKLAHOMA	11,307	0	99	43	607	8,502	34	106	1,569	347
UNIV OF TULSA	1,536	0	0	0	0	1,279	3	0	254	0
TOTAL OKLAHOMA	29,312	3,695	141	43	1,569	19,183	227	965	3,134	355
OREGON										
BLUE MOUNTAIN COMM COL **	52	0	0	0	0	52	0	0	0	0
CENTRAL OREGON COMM COL**	29	0	0	0	0	27	0	0	2	0
CHEMEKETA COMMUNITY COL**	38	0	0	0	0	38	0	0	0	0
CLACKAMUS COMMUNITY COL**	333	0	0	0	0	333	0	0	0	0
CLATSOP COMM COL **	64	0	0	0	0	64	0	0	0	0
COLUMBIA CHRISTIAN COL **	21	0	0	0	0	21	0	0	0	0
CONCORDIA COL **	12	0	0	0	0	12	0	0	0	0
EASTERN OREGON COL	165	0	0	0	0	149	0	0	16	0
GEORGE FOX COL	137	0	0	0	0	137	0	0	0	0
LANE COMM COL **	213	0	0	0	0	213	0	0	0	0
LEWIS AND CLARK COL	193	0	0	0	0	193	0	0	0	0
LINFIELD COL	227	0	0	0	0	153	0	51	23	0
LINN BENTON COMM COL**	39	0	0	0	0	39	0	0	0	0
MARYLHURST COL	84	0	0	0	0	60	0	0	24	0
MT ANGEL COL	101	0	0	0	0	101	0	0	0	0
MT ANGEL SEMINARY	2	0	0	0	0	2	0	0	0	0
MT HOOD COMM COL **	284	0	0	0	0	278	0	0	6	0
MUSEUM ART SCHOOL	14	0	0	0	0	14	0	0	0	0
OREGON COL OF EDUCATION	811	0	0	0	0	721	0	0	90	0
OREGON GRADUATE CENTER	3	0	0	0	0	3	0	0	0	0
OREGON STATE UNIV	13,945	2,400	600	0	1,292	3,952	642	172	4,560	327
OREGON TECH INST	132	0	0	0	0	123	0	0	9	0
PACIFIC UNIV	772	0	0	0	0	735	0	0	37	0
PORTLAND COMM COL **	196	0	0	0	0	194	0	0	2	0
PORTLAND STATE UNIVERSITY	1,525	0	0	0	0	1,238	0	0	287	0
REED COL	392	0	0	0	73	221	0	0	98	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	CON	DOD	HEW	INT	NASA	NSF	OTHER
OREGON										
SOUTHERN OREGON COL	538	0	0	0	17	403	0	0	118	0
SOUTHWESTN OREG COMM COL **	44	0	0	0	0	44	0	0	0	0
TREASURE VALLEY COMM COL **	557	0	0	0	0	103	0	0	0	454
U OREGON DENTAL SCHOOL	312	0	0	0	0	312	0	0	0	0
U OREGON MEDICAL SCHOOL	6,406	0	112	0	0	6,294	0	0	0	0
UMPQUA COMM COL **	32	0	0	0	0	32	0	0	0	0
UNIV OF OREGON AT EUGENE	14,116	6	397	0	816	6,897	10	277	4,920	793
UNIV OF PORTLAND	409	0	0	0	0	312	0	0	97	0
WARNER PACIFIC COL	32	0	0	0	0	32	0	0	0	0
WILLAMETTE UNIV	121	0	0	0	0	86	0	0	35	0
TOTAL OREGON	42,351	2,406	1,109	0	2,198	23,588	652	500	10,324	1,574
PENNSYLVANIA										
ALBRIGHT COL	72	0	0	0	0	33	0	0	39	0
ALLEGHENY COL	76	0	0	0	0	62	0	0	14	0
ALLEGHENY COUNTY COMM COL **	334	0	0	0	0	334	0	0	0	0
ALLIANCE COL	33	0	0	0	0	33	0	0	0	0
ALLNTWN COL ST FR DESALES	62	0	0	0	0	62	0	0	0	0
ALVERNIA COL	34	0	0	0	0	34	0	0	0	0
BEAVER COL	94	0	0	0	0	35	0	0	59	0
BLOOMSBURG STATE COL	122	0	0	0	0	122	0	0	0	0
BRYN MAWR COL	855	0	0	0	0	713	0	14	128	0
BUCKNELL UNIV	1,256	0	0	0	0	388	0	0	868	0
BUCKS COUNTY COMM COL**	1,112	0	0	0	0	1,110	0	0	2	0
BUTLER COUNTY COMM COL **	15	0	0	0	0	15	0	0	0	0
CABRINI COL	23	0	0	0	0	23	0	0	0	0
CALIFORNIA STATE COL	377	0	0	0	0	377	0	0	0	0
CARLOW COLLEGE	342	0	0	0	0	267	0	0	75	0
CARNEGIE MELLON UNIV	7,652	0	1,623	0	2,440	1,333	127	259	1,702	168
CEDAR CREST COL	26	0	0	0	0	26	0	0	0	0
CHATHAM COL	166	0	0	0	0	163	0	0	3	0
CHESTNUT HILL COL	32	0	0	0	0	32	0	0	0	0
CHEYNEY STATE COL	352	0	0	0	0	352	0	0	0	0
CLARION STATE COL	426	0	0	0	0	416	0	0	10	0
COL MISERICORDIA	138	0	0	0	0	138	0	0	0	0
COMM COL OF BEAVER COUNTY **	31	0	0	0	0	31	0	0	0	0
COMM COL OF DELAWARE CNTY **	33	0	0	0	0	33	0	0	0	0
COMM COL OF PHILADELPHIA **	427	0	0	0	0	427	0	0	0	0
CROZER THEOL SEMINARY	7	0	0	0	0	7	0	0	0	0
DEL VALLEY COL SCI & AGR	136	0	0	0	0	136	0	0	0	0
DICKINSON COL	167	0	0	0	0	147	0	0	20	0
DICKINSON SCHOOL OF LAW	11	0	0	0	0	11	0	0	0	0
DREXEL UNIVERSITY	4,019	0	45	0	797	2,117	0	115	945	0
DROPSIE COL HEBR COG LRNG	21	0	0	0	0	21	0	0	0	0
DUQUESNE UNIV	875	0	0	0	0	822	8	0	45	0
EAST STROUDSBRG STATE COL	86	0	0	0	0	76	0	0	10	0
EASTERN BAPTIST COL	43	0	0	0	0	43	0	0	0	0
EASTERN PILGRIM COL	34	0	0	0	0	34	0	0	0	0
EDINBORO STATE COL	439	0	0	0	0	382	0	0	57	0
ELIZABETHTOWN COL	80	0	0	0	0	70	0	0	10	0
ELLEN CUSHING JR COL **,	43	0	0	0	0	43	0	0	0	0
FRANKLIN AND MARSHALL COL	482	0	0	0	0	323	7	0	152	0
GANNON COL	492	0	0	0	0	479	0	0	13	0
GENEVA COL	55	0	0	0	0	39	0	0	16	0
GETTYSBURG COL	118	0	0	0	0	63	0	0	55	0

TOTAL OREGON	42,591	2,468	3,358							
PENNSYLVANIA										
ALBRIGHT COL	72	0	0	0	0	33	0	0	39	0
ALLEGHENY COL	76	0	0	0	0	62	0	0	14	0
ALLEGHENY COUNTY COMM COL **	334	0	0	0	0	334	0	0	0	0
ALLIANCE COL	33	0	0	0	0	33	0	0	0	0
ALLNTWN COL ST FR DESALES	62	0	0	0	0	62	0	0	0	0
ALVERNIA COL	34	0	0	0	0	34	0	0	0	0
BEAVER COL	94	0	0	0	0	35	0	0	59	0
BLOOMSBURG STATE COL	122	0	0	0	0	122	0	0	0	0
BRYN MAWR COL	855	0	0	0	0	713	0	14	128	0
BUCKNELL UNIV	1,256	0	0	0	0	388	0	0	868	0
BUCKS COUNTY COMM COL**	1,112	0	0	0	0	1,110	0	0	2	0
BUTLER COUNTY COMM COL **	15	0	0	0	0	15	0	0	0	0
CABRINI COL	23	0	0	0	0	23	0	0	0	0
CALIFORNIA STATE COL	377	0	0	0	0	377	0	0	0	0
CARLOW COLLEGE	342	0	0	0	0	267	0	0	75	0
CARNEGIE MELLON UNIV	7,652	0	1,623	0	2,440	1,333	127	259	1,702	168
CEDAR CREST COL	26	0	0	0	0	26	0	0	0	0
CHATHAM COL	166	0	0	0	0	163	0	0	3	0
CHESTNUT HILL COL	32	0	0	0	0	32	0	0	0	0
CHEYNEY STATE COL	352	0	0	0	0	352	0	0	0	0
CLARION STATE COL	426	0	0	0	0	416	0	0	10	0
COL MISERICORDIA	138	0	0	0	0	138	0	0	0	0
COMM COL OF BEAVER COUNTY **	31	0	0	0	0	31	0	0	0	0
COMM COL OF DELAWARE CNTY **	33	0	0	0	0	33	0	0	-0	0
COMM COL OF PHILADELPHIA **	427	0	0	0	0	427	0	0	0	0
CROZER THEOL SEMINARY	7	0	0	0	0	7	0	0	0	0
DEL VALLEY COL SCI & AGR	136	0	0	0	0	136	0	0	0	0
DICKINSON COL	167	0	0	0	0	147	0	0	20	0
DICKINSON SCHOOL OF LAW	11	0	0	0	0	11	0	0	0	0
DREXEL UNIVERSITY	4,019	0	45	0	797	2,117	0	115	945	0
DROPSIE COL HEBR COG LRNG	21	0	0	0	0	21	0	0	0	0
DUQUESNE UNIV	875	0	0	0	0	822	8	0	45	0
EAST STROUDSBRG STATE COL	86	0	0	0	0	76	0	0	10	0
EASTERN BAPTIST COL	43	0	0	0	0	43	0	0	0	0
EASTERN PILGRIM COL	34	0	0	0	0	34	0	0	0	0
EDINBORO STATE COL	439	0	0	0	0	382	0	0	57	0
ELIZABETHTOWN COL	80	0	0	0	0	70	0	0	10	0
ELLEN CUSHING JR COL **,	43	0	0	0	0	43	0	0	0	0
FRANKLIN AND MARSHALL COL	482	0	0	0	0	323	7	0	152	0
GANNON COL	492	0	0	0	0	479	0	0	13	0
GENEVA COL	55	0	0	0	0	39	0	0	16	0
GETTYSBURG COL	118	0	0	0	0	63	0	0	55	0
GROVE CITY COL	2	0	0	0	0	0	0	0	2	0
GWYNEDD-MERCY COL	39	0	0	0	0	39	0	0	0	0
HAHNEMANN MED COL & HOSP	6,132	0	0	0	260	5,729	0	0	143	0
HARCUM JR COL **	13	0	0	0	0	13	0	0	0	0
HARRISBURG AREA COMM COL**	39	0	0	0	0	39	0	0	0	0
HAVERFORD COL	361	0	0	0	0	308	0	30	23	0
HOLY FAMILY COL	24	0	0	0	0	21	0	0	3	0
IMMACULATA COL	78	0	0	0	0	78	0	0	0	0
INDIANA UNIV OF PA	701	0	0	0	0	661	0	0	40	0
JUNIATA COL	64	0	0	0	0	44	0	0	20	0
KEYSTONE JR COL **	96	0	0	0	0	96	0	0	0	0
KINGS COL	224	0	0	0	0	224	0	0	0	0
KUTZTOWN STATE COL	130	0	0	0	0	130	0	0	0	0
LA ROCHE COL	54	0	0	0	0	54	0	0	0	0
LACKAWANNA JR COL **	3	0	0	0	0	3	0	0	0	0
LAFAYETTE COL	120	0	0	0	0	23	0	0	97	0
LASALLE COL	116	0	0	0	0	116	0	0	0	0
LEBANON VALLEY COL	42	0	0	0	0	42	0	0	0	0
LEHIGH CO COMMUNITY COL **	30	0	0	0	0	30	0	0	0	0
LEHIGH UNIV	3,804	0	94	0	1,003	357	95	264	1,991	0
LINCOLN UNIV	1,076	0	0	0	0	1,032	0	0	44	0
LOCK HAVEN STATE COL	338	0	0	0	0	336	0	0	2	0
LUZERNE COUNTY COMM COL **	16	0	0	0	0	16	0	0	0	0
LYCOMING COL	137	0	0	0	0	128	0	0	9	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
PENNSYLVANIA										
MANOR JR COL **	10	0	0	0	0	10	0	0	0	0
MANSFIELD STATE COL	191	0	0	0	0	191	0	0	0	0
MARY IMMACULATE SEM & COL	4	0	0	0	0	4	0	0	0	0
MARYWOOD COL	294	0	0	0	0	294	0	0	0	0
MEDICAL COLLEGE OF PA	2,439	0	0	0	0	2,285	0	0	154	0
MERCYHURST COL	48	0	0	0	0	46	0	0	2	0
MESSIAH COL	502	0	0	0	0	502	0	0	0	0
MILLERSVILLE STATE COL	244	0	0	0	0	155	0	0	89	0
MONTGOMERY CNTY COMM COL **	62	0	0	0	0	62	0	0	0	0
MOORE COL OF ART	3	0	0	0	0	3	0	0	0	0
MORAVIAN COL	53	0	0	0	0	48	0	0	5	0
MT ALOYSIUS JR COL **	43	0	0	0	0	43	0	0	0	0
MUHLENBERG COL	73	0	0	0	0	48	0	0	25	0
NEW CASTLE BUSINESS COL	38	0	0	0	0	38	0	0	0	0
NORTHAMPTON CNTY COMM COL **	21	0	0	0	0	21	0	0	0	0
NORTHEASTN CHRISTN JR COL **	41	0	0	0	0	41	0	0	0	0
OUR LADY OF ANGELS COL	14	0	0	0	0	14	0	0	0	0
PA COL OF PODIATRIC MED	531	0	0	0	0	531	0	0	0	0
PEIRCE JR COL **	25	0	0	0	0	25	0	0	0	0
PENNSYLVANIA COL OPTOMET	329	0	0	0	0	329	0	0	0	0
PENNSYLVANIA STATE UNIV	22,075	6,369	517	15	992	8,310	845	1,429	3,188	410
PHILA COL OF PHARM & SCI	497	0	0	0	0	446	0	0	51	0
PHILA COL OF TEXT & SCI	104	60	0	0	0	40	0	0	4	0
PHILA COL OSTEOPATHIC MED	916	0	0	0	0	916	0	0	0	0
PHILADELPHIA COL OF ART	52	0	0	0	0	52	0	0	0	0
PHILADELPHIA COL OF BIBLE	154	0	0	0	0	154	0	0	0	0
PHILADELPHIA MUSICAL ACAD	46	0	0	0	0	46	0	0	0	0
PHILCO TECHNICAL INST	4	0	0	0	0	4	0	0	0	0
PHC COLLEGES	237	0	0	0	0	136	0	0	101	0
POINT PARK COL	182	0	0	0	0	182	0	0	0	0
ROBERT MORRIS COLLEGE	55	0	0	0	0	55	0	0	0	0
ROSEMONT COL	20	0	0	0	0	20	0	0	0	0
SETON HILL COL	222	0	0	0	0	222	0	0	0	0
SHIPPENSBURG STATE COL	239	0	0	0	0	179	0	0	60	0
SLIPPERY ROCK STATE COL	379	0	0	0	0	364	0	0	15	0
SPRING GARDEN COLLEGE	25	0	0	0	0	25	0	0	0	0
ST CHARLES BORROMEO SEM	20	0	0	0	0	20	0	0	0	0
ST FIDELIS COL & SEMINARY	10	0	0	0	0	10	0	0	0	0
ST FRANCIS COL	201	0	0	0	0	199	0	0	2	0
ST JOSEPHS COL	114	0	0	0	0	104	0	0	10	0
ST VINCENT COL	106	0	0	0	0	106	0	0	0	0
SUSQUEHANNA UNIV	109	0	0	0	0	83	0	0	26	0
SWARTHMORE COL	401	0	0	0	0	211	0	0	190	0

NEW CASTLE BUSINESS COL	38	0	0	0	0	38	0	0	0	0
NORTHAMPTON CNTY COMM COL **	21	0	0	0	0	21	0	0	0	0
NORTHEASTN CHRISTN JR COL **	41	0	0	0	0	41	0	0	0	0
OUR LADY OF ANGELS COL	14	0	0	0	0	14	0	0	0	0
PA COL OF PODIATRIC MED	531	0	0	0	0	531	0	0	0	0
PEIRCE JR COL **	25	0	0	0	0	25	0	0	0	0
PENNSYLVANIA COL OPTOMET	329	0	0	0	0	329	0	0	0	0
PENNSYLVANIA STATE UNIV	22,075	6,369	517	15	992	8,310	845	1,429	3,188	410
PHILA COL OF PHARM & SCI	497	0	0	0	0	446	0	0	51	0
PHILA COL OF TEXT & SCI	104	60	0	0	0	40	0	0	4	0
PHILA COL OSTEOPATHIC MED	916	0	0	0	0	916	0	0	0	0
PHILADELPHIA COL OF ART	52	0	0	0	0	52	0	0	0	0
PHILADELPHIA COL OF BIBLE	154	0	0	0	0	154	0	0	0	0
PHILADELPHIA MUSICAL ACAD	46	0	0	0	0	46	0	0	0	0
PHILCO TECHNICAL INST	4	0	0	0	0	4	0	0	0	0
PMC COLLEGES	237	0	0	0	0	136	0	0	101	0
POINT PARK COL	182	0	0	0	0	182	0	0	0	0
ROBERT MORRIS COLLEGE	55	0	0	0	0	55	0	0	0	0
ROSEMONT COL	20	0	0	0	0	20	0	0	0	0
SETON HILL COL	222	0	0	0	0	222	0	0	0	0
SHIPPENSBURG STATE COL	239	0	0	0	0	179	0	0	60	0
SLIPPERY ROCK STATE COL	379	0	0	0	0	364	0	0	15	0
SPRING GARDEN COLLEGE	25	0	0	0	0	25	0	0	0	0
ST CHARLES BORROMEO SEM	20	0	0	0	0	20	0	0	0	0
ST FIDELIS COL & SEMINARY	10	0	0	0	0	10	0	0	0	0
ST FRANCIS COL	201	0	0	0	0	199	0	0	2	0
ST JOSEPHS COL	114	0	0	0	0	104	0	0	10	0
ST VINCENT COL	106	0	0	0	0	106	0	0	0	0
SUSQUEHANNA UNIV	109	0	0	0	0	83	0	0	26	0
SWARTHMORE COL	401	0	0	0	0	211	0	0	190	0
TEMPLE UNIV	16,022	0	106	0	132	14,722	0	221	674	167
THIEL COL	198	0	0	0	0	176	0	0	22	0
THOS JEFFERSON UNIV HOSP	7,185	0	59	0	229	6,862	0	0	35	0
UNIV OF PENNSYLVANIA	37,074	2	1,723	0	2,639	26,677	52	259	4,891	831
UNIV OF PITTSBURGH	25,620	5	469	0	1,150	19,836	212	664	2,555	729
UNIV OF SCRANTON	451	0	0	0	0	401	0	0	50	0
URSINUS COL	37	0	0	0	0	37	0	0	0	0
VALLEY FORGE MILIT JR COL **	3	0	0	0	0	3	0	0	0	0
VILLA MARIA COL	100	0	0	0	0	100	0	0	0	0
VILLANOVA UNIV	554	0	0	0	0	472	0	0	82	0
WASHINGTON & JEFFERSN COL	30	0	0	0	0	20	0	0	10	0
WAYNESBURG COL	84	0	0	0	0	74	0	0	10	0
WEST CHESTER STATE COL	426	0	0	0	0	292	0	0	134	0
WESTMINSTER COL	67	0	0	0	0	55	0	0	12	0
WILKES COL	653	0	0	0	0	569	0	0	84	0
WILLIAMSPORT AREA COM COL **	550	0	0	0	0	550	0	0	0	0
WILSON COL	91	0	0	0	0	48	0	0	43	0
YORK COL OF PENNSYLVANIA	61	0	0	0	0	61	0	0	0	0
TOTAL PENNSYLVANIA	155,176	6,436	4,636	15	9,642	108,420	1,346	3,255	19,121	2,305

RHODE ISLAND

BARRINGTON COL	72	0	0	0	0	72	0	0	0	0
BROWN UNIV	8,113	0	633	0	1,214	3,973	33	269	1,991	0
BRYANT COL	219	0	0	0	0	219	0	0	0	0
JOHNSON&WALES JR COL BUS	86	0	0	0	0	86	0	0	0	0
MT ST JOSEPH COL	3	0	0	0	0	3	0	0	0	0
PROVIDENCE COL	732	0	0	0	0	422	0	0	292	18
RHODE ISLAND COL	441	0	0	0	0	413	0	0	28	0
RHODE ISLAND JR COL **	203	0	0	0	0	203	0	0	0	0
RHODE ISLAND SCH DESIGN	76	0	0	0	0	76	0	0	0	0
ROGER WILLIAMS COLLEGE	224	0	0	0	0	221	0	0	3	0
SALVE REGINA COL	120	0	0	0	0	120	0	0	0	0
SEMINARY OUR LADY OF PROV	13	0	0	0	0	13	0	0	0	0
UNIV OF RHODE ISLAND	5,275	847	61	0	1,076	1,056	368	0	1,867	0
TOTAL RHODE ISLAND	15,577	847	694	0	2,290	6,877	401	269	4,181	18

SOUTH CAROLINA

ALLEN UNIV	619	0	0	0	0	619	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
SOUTH CAROLINA										
ANDERSON COL **	10	0	0	0	0	10	0	0	0	0
BAPTIST COL AT CHARLESTON	13	0	0	0	0	13	0	0	0	0
BENEDICT COL	699	0	0	0	0	699	0	0	0	0
BRKLY-CH-DRCHSTR TE ED CO **	24	0	0	0	0	24	0	0	0	0
CENTRAL WESLEYAN COL	31	0	0	0	0	31	0	0	0	0
CHESTERFIELD-MAR TECH CTR **	9	0	0	0	0	9	0	0	0	0
CITADEL THE MILIT COL S C	37	0	0	0	0	21	0	0	16	0
CLAFLIN COL	742	0	0	0	0	701	0	0	41	0
CLEMSON UNIV	6,426	4,278	46	0	0	614	184	130	1,174	0
COKER COL	50	0	0	0	0	50	0	0	0	0
COL OF CHARLESTON	367	0	0	0	0	352	0	0	15	0
COLUMBIA COL	46	0	0	0	0	46	0	0	0	0
CONVERSE COL	3	0	0	0	0	3	0	0	0	0
ERSKINE COL	40	0	0	0	0	40	0	0	0	0
FRIENDSHIP JR COL **	86	0	0	0	0	86	0	0	0	0
FURMAN UNIV	472	0	0	0	0	163	0	0	309	0
GREENVILLE TECH ED CTR **	35	0	0	0	0	35	0	0	0	0
HORRY-MAR-GERGTWN TECH ED**	16	0	0	0	0	16	0	0	0	0
LANDER COL	53	0	0	0	0	53	0	0	0	0
LIMESTONE COL	19	0	0	0	0	19	0	0	0	0
MED UNIV OF S CAROLINA	4,358	0	0	0	468	3,873	0	0	17	0
MORRIS COL	415	0	0	0	0	415	0	0	0	0
NEWBERRY COL	22	0	0	0	0	22	0	0	0	0
NORTH GREENVILLE JR COL **	8	0	0	0	0	8	0	0	0	0
ORNGBRG-CALHN TECH ED CTR **	17	0	0	0	0	17	0	0	0	0
PALMER COLLEGE **	139	0	0	0	0	139	0	0	0	0
PIEDMONT TECH ED CTR **	509	0	0	0	0	509	0	0	0	0
PRESBYTERIAN COL	22	0	0	0	0	22	0	0	0	0
RENCE-DARLINGTON TECH SCH **	63	0	0	0	0	63	0	0	0	0
RICHLAND TECH ED CTR **	42	0	0	0	0	42	0	0	0	0
SOUTH CAROLINA STATE COL	442	17	0	0	0	320	0	0	105	0
SPARTANBURG JR COL **	13	0	0	0	0	13	0	0	0	0
SPRTNBRG CNTY TECH ED CTR **	7	0	0	0	0	7	0	0	0	0
SUMTER AREA TECH ED CTR **	4	0	0	0	0	4	0	0	0	0
TRI-COUNTY TECH ED CTR **	27	0	0	0	0	27	0	0	0	0
UNIV OF SOUTH CAROLINA	3,049	0	82	0	25	1,906	0	0	718	318
VOORHEES COL	545	0	0	0	0	545	0	0	0	0
WINTHROP COL	152	0	0	0	0	140	0	0	12	0
WOFFORD COL	402	0	0	0	0	96	0	0	306	0
YORK COUNTY TECH ED CTR **	3	0	0	0	0	3	0	0	0	0
TOTAL SOUTH CAROLINA	20,036	4,295	128	0	493	11,775	184	130	2,713	318
SOUTH DAKOTA										
AUGUSTANA COL	391	0	0	0	0	301	0	0	90	0
BLACK HILLS STATE COL	391	0	0	0	0	362	0	0	29	0
DAKOTA STATE COLLEGE	625	0	0	0	0	615	0	0	10	0
DAKOTA WESLEYAN UNIV	80	0	0	0	0	80	0	0	0	0
FREEMAN JR COL **	5	0	0	0	0	5	0	0	0	0
HURON COL	158	0	0	0	0	158	0	0	0	0
MT MARTY COL	81	0	0	0	0	81	0	0	0	0
NAT COLLEGE OF BUSINESS	11	0	0	0	0	11	0	0	0	0
NORTHERN STATE COL	118	0	0	0	0	118	0	0	0	0

LIMESTONE COL	19	0	0	0	0	19	0	0	0	0
MED UNIV OF S CAROLINA	4,358	0	0	0	468	3,873	0	0	17	0
MORRIS COL	415	0	0	0	0	415	0	0	0	0
NEWBERRY COL	22	0	0	0	0	22	0	0	0	0
NORTH GREENVILLE JR COL **	8	0	0	0	0	8	0	0	0	0
ORNGBRG-CALHN TECH ED CTR **	17	0	0	0	0	17	0	0	0	0
PALMER COLLEGE **	139	0	0	0	0	139	0	0	0	0
PIEDMONT TECH ED CTR **	509	0	0	0	0	509	0	0	0	0
PRESBYTERIAN COL	22	0	0	0	0	22	0	0	0	0
RENCE-DARLINGTON TECH SCH **	63	0	0	0	0	63	0	0	0	0
RICHLAND TECH ED CTR **	42	0	0	0	0	42	0	0	0	0
SOUTH CAROLINA STATE COL	442	17	0	0	0	320	0	0	105	0
SPARTANBURG JR COL **	13	0	0	0	0	13	0	0	0	0
SPRTNBRG CNTY TECH ED CTR **	7	0	0	0	0	7	0	0	0	0
SUMTER AREA TECH ED CTR **	4	0	0	0	0	4	0	0	0	0
TRI-COUNTY TECH ED CTR **	27	0	0	0	0	27	0	0	0	0
UNIV OF SOUTH CAROLINA	3,049	0	82	0	25	1,906	0	0	718	318
VOORHEES COL	545	0	0	0	0	545	0	0	0	0
WINTHROP COL	152	0	0	0	0	140	0	0	12	0
WOFFORD COL	402	0	0	0	0	96	0	0	306	0
YORK COUNTY TECH ED CTR **	3	0	0	0	0	3	0	0	0	0
TOTAL SOUTH CAROLINA	20,036	4,295	128	0	493	11,775	184	130	2,713	318
SOUTH DAKOTA										
AUGUSTANA COL	391	0	0	0	0	301	0	0	90	0
BLACK HILLS STATE COL	391	0	0	0	0	362	0	0	29	0
DAKOTA STATE COLLEGE	625	0	0	0	0	615	0	0	10	0
DAKOTA WESLEYAN UNIV	80	0	0	0	0	80	0	0	0	0
FREEMAN JR COL **	5	0	0	0	0	5	0	0	0	0
HURON COL	158	0	0	0	0	158	0	0	0	0
MT MARTY COL	81	0	0	0	0	81	0	0	0	0
NAT COLLEGE OF BUSINESS	11	0	0	0	0	11	0	0	0	0
NORTHERN STATE COL	118	0	0	0	0	118	0	0	0	0
PRESENTATION COL **	20	0	0	0	0	20	0	0	0	0
SIOUX FALLS COL	80	0	0	0	0	80	0	0	0	0
SOUTH DAK SCH MINES TECH	1,032	0	0	0	0	117	530	25	360	0
SOUTH DAKOTA STATE UNIV	3,690	2,111	6	0	0	695	598	32	248	0
SOUTHERN STATE COL	63	0	0	0	0	63	0	0	0	0
UNIV OF SOUTH DAKOTA	2,570	29	31	0	12	1,646	0	0	604	248
YANKTON COL	63	0	0	0	0	63	0	0	0	0
TOTAL SOUTH DAKOTA	9,378	2,140	37	0	12	4,415	1,128	57	1,341	248
TENNESSEE										
AQUINAS JR COL **	12	0	0	0	0	12	0	0	0	0
AUSTIN PEAY STATE UNIV	392	0	0	0	0	178	0	0	214	0
BELMONT COL	90	0	0	0	0	90	0	0	0	0
BETHEL COL	45	0	0	0	0	45	0	0	0	0
CARSON-NEWMAN COL	258	0	0	0	0	256	0	0	2	0
CHATTANOOGA ST TECH INST **	44	0	0	0	0	44	0	0	0	0
CHRISTIAN BROTHERS COL	339	0	0	0	0	113	0	0	226	0
CLEVELAND STATE COMM COL **	338	0	0	0	0	336	0	0	2	0
COLUMBIA STATE COMM COL **	455	0	0	0	0	455	0	0	0	0
CUMBERLAND COL OF TENN **	126	0	0	0	0	126	0	0	0	0
DAVID LIPSCOMB COL	62	0	5	0	0	57	0	0	0	0
DYERSBURG STATE COMM COL **	54	0	0	0	0	54	0	0	0	0
EAST TENNESSEE STATE UNIV	571	0	0	0	0	492	0	0	79	0
FISK UNIV	1,082	0	0	0	0	903	0	0	179	0
FREE WILL BAPT BIBLE COL	5	0	0	0	0	5	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
TENNESSEE										
FREED-HARDEMAN COL **	205	0	0	0	0	205	0	0	0	0
GEORGE PEABODY COL TCHRS	2,255	0	0	0	0	1,942	0	0	225	88
HIWASSEE COL **	125	0	0	0	0	125	0	0	0	0
JACKSON STATE COMM COL **	341	0	0	0	0	337	0	0	4	0
KING COL	220	0	0	0	0	99	0	0	121	0
KNOXVILLE COL	915	0	0	0	0	890	0	0	25	0
LAMBUTH COL	113	0	0	0	0	113	0	0	0	0
LANE COL	953	0	0	0	0	905	0	0	48	0
LE MOYNE-OWEN COL	625	0	0	0	0	621	0	0	4	0
LEE COL	213	0	0	0	0	213	0	0	0	0
LINCOLN MEMORIAL UNIV	85	0	0	0	0	85	0	0	0	0
MARTIN COL **	37	0	0	0	0	37	0	0	0	0
MARYVILLE COL	187	0	0	0	0	177	0	0	10	0
MCKENZIE COL	56	0	0	0	0	56	0	0	0	0
MEHARRY MEDICAL COL	6,967	0	0	0	0	6,967	0	0	0	0
MEMPHIS ACADEMY OF ARTS	6	0	0	0	0	6	0	0	0	0
MEMPHIS STATE UNIV	1,428	0	0	90	0	1,000	53	5	252	28
MIDDLE TENN STATE UNIV	399	0	0	0	0	286	0	0	113	0
MILLIGAN COL	42	0	0	0	0	42	0	0	0	0
MORRISTOWN COL **	25	0	0	0	0	25	0	0	0	0
MOTLOW STATE COMM COL **	54	0	0	0	0	54	0	0	0	0
NASHVILLE STATE TECH INST **	16	0	0	0	0	16	0	0	0	0
SCARRITT COL CHRISTN WKRS	10	0	0	0	0	10	0	0	0	0
SIENA COL	25	0	0	0	0	25	0	0	0	0
SOUTHERN COL OF OPTOMETRY	636	0	0	0	0	636	0	0	0	0
SOUTHERN MISSIONARY COL	291	0	0	0	0	291	0	0	0	0
SOUTHWESTERN AT MEMPHIS	172	0	0	0	0	154	0	0	18	0
STATE TECH INST MEMPHIS **	21	0	0	0	0	21	0	0	0	0
TENNESSEE STATE UNIV	1,086	19	40	0	0	997	0	0	10	20
TENNESSEE TECHNOLOGL UNIV	695	0	3	0	0	224	0	109	359	0
TENNESSEE TEMPLE COL	30	0	0	0	0	30	0	0	0	0
TENNESSEE WESLEYAN COL	50	0	0	0	0	50	0	0	0	0
TREVECCA NAZARENE COL	224	0	0	0	0	224	0	0	0	0
TUSCULUM COL	98	0	0	0	0	98	0	0	0	0
U OF TENN MED UNITS MEMPH	8,052	0	103	0	15	7,928	0	0	6	0
UNION UNIV	65	0	0	0	0	65	0	0	0	0
UNIV OF TENN AT CHATTNGA	1,135	0	0	0	0	1,105	0	0	30	0
UNIV OF TENN AT KNOXVILLE	14,434	5,592	1,837	0	1,314	3,720	114	462	1,395	0
UNIV OF TENN AT MARTIN	163	0	0	0	0	147	0	0	16	0
UNIV OF TENN CEN SYS*	418	0	0	200	0	0	0	0	18	200
UNIV OF THE SOUTH	112	0	0	0	0	42	0	0	70	0
VANDERBILT UNIV	15,322	0	201	0	404	12,982	156	76	1,503	0
WALTERS STATE COMM COLL **	39	0	0	0	0	39	0	0	0	0
WM JENNINGS BRYAN COL	77	0	0	0	0	77	0	0	0	0
TOTAL TENNESSEE	62,295	5,611	2,189	290	1,733	46,232	323	652	4,929	336
TEXAS										

MEHARRY MEDICAL COL	6,967	0	0	0	0	6,967	0	0	0	0
MEMPHIS ACADEMY OF ARTS	6	0	0	0	0	6	0	0	0	0
MEMPHIS STATE UNIV	1,428	0	0	90	0	1,000	53	5	252	28
MIDDLE TENN STATE UNIV	399	0	0	0	0	286	0	0	113	0
MILLIGAN COL	42	0	0	0	0	42	0	0	0	0
MORRISTOWN COL **	25	0	0	0	0	25	0	0	0	0
MOTLOW STATE COMM COL **	54	0	0	0	0	54	0	0	0	0
NASHVILLE STATE TECH INST **	16	0	0	0	0	16	0	0	0	0
SCARRITT COL CHRISTN WKRS	10	0	0	0	0	10	0	0	0	0
SIENA COL	25	0	0	0	0	25	0	0	0	0
SOUTHERN COL OF OPTOMETRY	636	0	0	0	0	636	0	0	0	0
SOUTHERN MISSIONARY COL	291	0	0	0	0	291	0	0	0	0
SOUTHWESTERN AT MEMPHIS	172	0	0	0	0	154	0	0	18	0
STATE TECH INST MEMPHIS **	21	0	0	0	0	21	0	0	0	0
TENNESSEE STATE UNIV	1,086	19	40	0	0	997	0	0	10	20
TENNESSEE TECHNOLOGL UNIV	695	0	3	0	0	224	0	109	359	0
TENNESSEE TEMPLE COL	30	0	0	0	0	30	0	0	0	0
TENNESSEE WESLEYAN COL	50	0	0	0	0	50	0	0	0	0
TREVECCA NAZARENE COL	224	0	0	0	0	224	0	0	0	0
TUSCULUM COL	98	0	0	0	0	98	0	0	0	0
U OF TENN MED UNITS MEMPH	8,052	0	103	0	15	7,928	0	0	6	0
UNION UNIV	65	0	0	0	0	65	0	0	0	0
UNIV OF TENN AT CHATTNGA	1,135	0	0	0	0	1,105	0	0	30	0
UNIV OF TENN AT KNOXVILLE	14,434	5,592	1,837	0	1,314	3,720	114	462	1,395	0
UNIV OF TENN AT MARTIN	163	0	0	0	0	147	0	0	16	0
UNIV OF TENN CEN SYS*	418	0	0	200	0	0	0	0	18	200
UNIV OF THE SOUTH	112	0	0	0	0	42	0	0	70	0
VANDERBILT UNIV	15,322	0	201	0	404	12,982	156	76	1,503	0
WALTERS STATE COMM COLL **	39	0	0	0	0	39	0	0	0	0
WM JENNINGS BRYAN COL	77	0	0	0	0	77	0	0	0	0
TOTAL TENNESSEE	62,295	5,611	2,189	290	1,733	46,232	323	652	4,929	336
TEXAS										
ABILENE CHRISTIAN COL	312	0	0	0	0	312	0	0	0	0
ALVIN JR COL **	3	0	0	0	0	3	0	0	0	0
AMARILLO COL **	3	0	0	0	0	3	0	0	0	0
ANGELINA COL **	89	0	0	0	0	89	0	0	0	0
ANGELO STATE UNIVERSITY	193	0	0	0	0	158	0	0	35	0
AUSTIN COL	128	0	0	0	0	118	0	0	10	0
BAYLOR COL OF MEDICINE	14,135	0	21	0	0	13,672	0	357	0	85
BAYLOR UNIV	2,767	0	59	0	178	2,337	0	0	193	0
BEE COUNTY COL **	87	0	0	0	0	87	0	0	0	0
BISHOP COL	1,889	0	0	0	0	1,844	0	40	5	0
BLINN COL **	85	0	0	0	0	85	0	0	0	0
BRAZOSPORT JR COL **	69	0	0	0	0	69	0	0	0	0
BUTLER COL	12	0	0	0	0	12	0	0	0	0
CENTRAL TEXAS COL **	178	0	0	0	0	178	0	0	0	0
CHRISTIAN COL SOUTHWEST **	39	0	0	0	0	39	0	0	0	0
CISCO JR COL **	100	0	0	0	0	100	0	0	0	0
CLARENDON COL **	56	0	0	0	0	56	0	0	0	0
COL OF THE MAINLAND **	3	0	0	0	0	3	0	0	0	0
CONCORDIA LUTH COL OF TEX **	16	0	0	0	0	16	0	0	0	0
COOKE COUNTY JR COL **	95	0	0	0	0	93	0	0	2	0
DALLAS BAPTIST COL	223	0	0	0	0	223	0	0	0	0
DALLAS COUNTY JR COL DIST **	236	0	0	0	0	230	0	0	6	0
DEL MAR COL **	132	0	0	0	0	132	0	0	0	0
DOMINICAN COLLEGE	23	0	0	0	0	23	0	0	0	0
EAST FIELD COLLEGE **	554	0	0	0	0	554	0	0	0	0
EAST TEXAS BAPTIST COL	217	0	0	0	0	217	0	0	0	0
EAST TEXAS STATE UNIV	350	0	0	0	0	280	0	0	70	0
FORT WORTH CHRISTIAN COL **	20	0	0	0	0	20	0	0	0	0
FRANK PHILLIPS COL **	10	0	0	0	0	10	0	0	0	0
GALVESTON COLLEGE **	41	0	0	0	0	41	0	0	0	0
GRAYSON COUNTY JR COL **	91	0	0	0	0	91	0	0	0	0
GULF COAST BIBLE COL	6	0	0	0	0	6	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
TEXAS										
HARDIN-SIMMONS UNIV	273	0	0	0	0	264	0	0	9	0
HENDERSON COUNTY JR COL **	27	0	0	0	0	27	0	0	0	0
HILL JR COL**	41	0	0	0	0	41	0	0	0	0
HOUSTON BAPTIST COL	249	0	0	0	0	205	0	40	4	0
HOWARD COUNTY JR COL **	62	0	0	0	0	62	0	0	0	0
HOWARD PAYNE COL	60	0	0	0	0	60	0	0	0	0
HUSTON-TILLOTSON COL	632	0	0	0	0	589	0	0	43	0
INCARNATE WORD COL	298	0	0	0	0	269	0	0	29	0
JACKSONVILLE COL **	4	0	0	0	0	4	0	0	0	0
KILGORE COL **	74	0	0	0	0	74	0	0	0	0
LAMAR STATE COL OF TECH	442	0	0	0	0	322	0	8	112	0
LAREDO JR COL **	84	0	0	0	0	84	0	0	0	0
LEE COL **	188	0	0	0	0	188	0	0	0	0
LETOURNEAU COL	203	0	0	0	0	203	0	0	0	0
LON MORRIS COL**	35	0	0	0	0	35	0	0	0	0
LUBBOCK CHRISTIAN COL	59	0	0	0	0	59	0	0	0	0
M D ANDERSON HOSPITAL	6,322	0	65	0	70	5,933	0	135	119	0
MARY HARDIN-BAYLOR COL	61	0	0	0	0	61	0	0	0	0
MCLENNAN COMM COL **	108	0	0	0	0	106	0	0	2	0
MCMURRY COL	289	0	0	0	0	283	0	0	6	0
MIDWESTERN UNIV	48	0	0	0	0	43	0	0	5	0
MOUNTAIN VIEW COLLEGE**	554	0	0	0	0	554	0	0	0	0
NAVARRO JR COL **	24	0	0	0	0	24	0	0	0	0
NORTH TEXAS STATE UNIV	1,094	0	3	0	20	827	0	17	227	0
ODESSA COL **	98	0	0	0	0	98	0	0	0	0
OUR LADY OF THE LAKE COL	745	0	0	0	0	721	0	0	24	0
PAN AMER COL	415	0	0	0	0	405	0	0	10	0
PANOLA COL **	48	0	0	0	0	48	0	0	0	0
PARIS JR COL**	153	0	0	0	0	153	0	0	0	0
PAUL QUINN COL	476	0	0	0	0	476	0	0	0	0
PRAIRIE VIEW A & M COL	1,864	22	0	0	0	1,207	0	51	84	500
RANGER JR COL**	197	0	0	0	0	197	0	0	0	0
RICE UNIV	6,982	0	771	0	795	2,040	0	1,948	1,428	0
RICHLAND COLLEGE **	351	0	0	0	0	351	0	0	0	0
SAM HOUSTON STATE UNIV	243	0	0	0	0	197	0	0	46	0
SAN ANTONIO COL **	259	0	0	0	0	250	0	0	9	0
SAN JACINTO COL **	24	0	0	0	0	24	0	0	0	0
SOUTH PLAINS COL **	104	0	0	0	0	104	0	0	0	0
SOUTH TEXAS JR COL **	55	0	0	0	0	55	0	0	0	0
SOUTHERN METHODIST UNIV	2,452	0	0	0	657	584	43	79	1,026	63
SOUTHWEST TEXAS JR COL **	76	0	0	0	0	76	0	0	0	0
SOUTHWEST TEXAS UNIV	548	0	25	0	0	273	0	0	250	0
SOUTHWESTERN MEDICAL SCH	21,753	0	44	0	0	21,526	0	106	77	0
SOUTHWESTERN UNION COL	61	0	0	0	0	61	0	0	0	0
SOUTHWESTERN UNIV	9	0	0	0	0	7	0	0	2	0
SOUTHWESTN ASSEMB GOD COL	6	0	0	0	0	6	0	0	0	0
SOUTHWESTN CHRISTIAN COL **	112	0	0	0	0	112	0	0	0	0
ST EDWARDS UNIV	94	0	0	0	0	94	0	0	0	0
ST MARYS UNIV SAN ANTONIO	687	0	0	0	0	687	0	0	0	0
STEPHEN F AUSTIN ST UNIV	598	18	0	0	0	311	0	0	269	0
SUL ROSS STATE UNIV	194	0	0	0	0	167	0	0	27	0
TARLETON STATE COL	162	0	0	0	0	162	0	0	0	0
TARRANT COUNTY JR COL **	287	0	0	0	0	287	0	0	0	0
TEMPLE JR COL**	175	0	0	0	0	175	0	0	0	0
TEXARKANA COL**	20	0	0	0	0	20	0	0	0	0

MCLENNAN COMM COL **	108	0	0	0	0	108	0	0	2	0
MCMURRY COL	289	0	0	0	0	283	0	0	6	0
MIDWESTERN UNIV	48	0	0	0	0	43	0	0	5	0
MOUNTAIN VIEW COLLEGE**	554	0	0	0	0	554	0	0	0	0
NAVARRO JR COL **	24	0	0	0	0	24	0	0	0	0
NORTH TEXAS STATE UNIV	1,094	0	3	0	20	827	0	17	227	0
ODESSA COL **	98	0	0	0	0	98	0	0	0	0
OUR LADY OF THE LAKE COL	745	0	0	0	0	721	0	0	24	0
PAN AMER COL	415	0	0	0	0	405	0	0	10	0
PANOLA COL **	48	0	0	0	0	48	0	0	0	0
PARIS JR COL**	153	0	0	0	0	153	0	0	0	0
PAUL QUINN COL	476	0	0	0	0	476	0	0	0	0
PRAIRIE VIEW A & M COL	1,864	22	0	0	0	1,207	0	51	84	500
RANGER JR COL**	197	0	0	0	0	197	0	0	0	0
RICE UNIV	6,982	0	771	0	795	2,040	0	1,948	1,428	0
RICHLAND COLLEGE **	351	0	0	0	0	351	0	0	0	0
SAM HOUSTON STATE UNIV	243	0	0	0	0	197	0	0	46	0
SAN ANTONIO COL **	259	0	0	0	0	250	0	0	9	0
SAN JACINTO COL **	24	0	0	0	0	24	0	0	0	0
SOUTH PLAINS COL **	104	0	0	0	0	104	0	0	0	0
SOUTH TEXAS JR COL **	55	0	0	0	0	55	0	0	0	0
SOUTHERN METHODIST UNIV	2,452	0	0	0	657	584	43	79	1,026	63
SOUTHWEST TEXAS JR COL **	76	0	0	0	0	76	0	0	0	0
SOUTHWEST TEXAS UNIV	548	0	25	0	0	273	0	0	250	0
SOUTHWESTERN MEDICAL SCH	21,753	0	44	0	0	21,526	0	106	77	0
SOUTHWESTERN UNION COL	61	0	0	0	0	61	0	0	0	0
SOUTHWESTERN UNIV	9	0	0	0	0	7	0	0	2	0
SOUTHWESTN ASSEMB GOD COL	6	0	0	0	0	6	0	0	0	0
SOUTHWESTN CHRISTIAN COL **	112	0	0	0	0	112	0	0	0	0
ST EDWARDS UNIV	94	0	0	0	0	94	0	0	0	0
ST MARYS UNIV SAN ANTONIO	687	0	0	0	0	687	0	0	0	0
STEPHEN F AUSTIN ST UNIV	598	18	0	0	0	311	0	0	269	0
SUL ROSS STATE UNIV	194	0	0	0	0	167	0	0	27	0
TARLETON STATE COL	162	0	0	0	0	162	0	0	0	0
TARRANT COUNTY JR COL **	287	0	0	0	0	287	0	0	0	0
TEMPLE JR COL**	175	0	0	0	0	175	0	0	0	0
TEXARKANA COL**	20	0	0	0	0	20	0	0	0	0
TEXAS A & M UNIV	16,285	9,155	1,123	75	1,880	1,766	167	659	1,460	0
TEXAS A&M UNIV CEN SYS*	1,094	0	6	150	0	269	139	0	42	488
TEXAS ARTS & INDUST UNIV	541	58	0	0	0	448	0	0	35	0
TEXAS CHRISTIAN UNIV	1,451	0	0	0	157	1,165	0	59	70	0
TEXAS COL	549	0	0	0	0	549	0	0	0	0
TEXAS LUTHERAN COL	118	0	0	0	0	118	0	0	0	0
TEXAS SOUTHERN UNIV	1,269	0	0	0	0	1,098	0	21	150	0
TEXAS SOUTHMOST COL **	341	0	0	0	0	341	0	0	0	0
TEXAS STATE TECH INST **	262	0	0	0	0	262	0	0	0	0
TEXAS TECH UNIVERSITY	1,736	108	56	0	370	787	0	153	262	0
TEXAS WESLEYAN COL	69	0	0	0	0	69	0	0	0	0
TEXAS WOMANS UNIV	1,221	0	31	0	0	1,014	0	44	132	0
TRINITY UNIV	550	0	0	0	0	280	0	0	270	0
U TEX DENT BRANCH HOUSTON	933	0	0	0	0	853	0	80	0	0
U TEX GRAD SCH BIOMED SCI	100	0	0	0	0	0	0	100	0	0
U TEX HOUSTON MED SCHOOL	83	0	0	0	0	83	0	0	0	0
U TEX MED BRNCH GALVESTON	5,403	0	0	0	52	5,083	0	56	212	0
U TEX SCH PUB HLTH HOUSTN	329	0	0	0	0	329	0	0	0	0
UNIV OF CORPUS CHRISTI	176	0	0	0	0	176	0	0	0	0
UNIV OF DALLAS	82	0	0	0	0	82	0	0	0	0
UNIV OF HOUSTON	4,669	0	200	0	227	1,844	0	1,228	746	424
UNIV OF ST THOMAS	2,334	0	5	0	0	2,316	0	0	13	0
UNIV OF TEXAS ARLINGTON	389	0	0	0	17	337	0	0	35	0
UNIV OF TEXAS AT AUSTIN	18,910	0	770	0	5,272	7,585	105	1,316	3,709	153
UNIV OF TEXAS AT DALLAS	3,711	0	66	0	128	0	0	2,888	629	0
UNIV OF TEXAS AT EL PASO	1,103	0	0	0	302	654	0	27	120	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
TEXAS										
UNIV OF TEXAS CEN SYS*	1,576	0	99	0	0	1,404	37	0	36	0
UNIV OF TEXAS MEDICAL SCH	2,101	0	0	0	122	1,557	0	0	44	378
WAYLAND BAPTIST COL	127	0	0	0	0	127	0	0	0	0
WEATHERFORD COL **	105	0	0	0	0	105	0	0	0	0
WEST TEXAS STATE UNIV	399	0	0	0	0	382	0	0	17	0
WHARTON COUNTY JR COL **	166	0	0	0	0	166	0	0	0	0
WILEY COL	166	0	0	0	0	166	0	0	0	0
TOTAL TEXAS	140,989	9,361	3,344	225	10,247	93,707	491	9,412	12,111	2,091
UTAH										
BRIGHAM YOUNG UNIV	1,393	1	59	32	111	646	72	39	433	0
COLLEGE OF EASTERN UTAH**	48	0	0	0	0	48	0	0	0	0
DIXIE COL **	98	0	0	0	0	98	0	0	0	0
SNOW COLLEGE **	380	0	0	0	0	380	0	0	0	0
SOUTHERN UTAH STATE COLL	329	0	0	0	0	283	0	0	46	0
STEVENS HENAGER COL **	34	0	0	0	0	34	0	0	0	0
UNIV OF UTAH	24,973	0	1,138	4	2,898	16,849	864	160	2,113	947
UTAH STATE UNIV	6,958	1,389	83	0	1,171	1,559	783	88	1,382	503
UTAH TECHNICAL COL-PROVO**	77	0	0	0	0	77	0	0	0	0
UTAH TECHNICAL COL-SLT LK **	40	0	0	0	0	40	0	0	0	0
WEBER STATE COL	679	0	0	0	0	656	0	0	23	0
WESTMINSTER COL	43	0	0	0	0	43	0	0	0	0
TOTAL UTAH	35,052	1,390	1,280	36	4,180	20,713	1,719	287	3,997	1,450
VERMONT										
BENNINGTON COL	46	0	0	0	0	38	0	0	8	0
CASTLETON STATE COL	43	0	0	0	0	43	0	0	0	0
CHAMPLAIN COL **	214	0	0	0	0	214	0	0	0	0
COL OF ST JOSEPH THE PROV	6	0	0	0	0	6	0	0	0	0
GODDARD COL	53	0	0	0	0	53	0	0	0	0
GREEN MOUNTAIN COL **	8	0	0	0	0	8	0	0	0	0
JOHNSON STATE COL	119	0	0	0	0	119	0	0	0	0
LYNDON STATE COL	50	0	0	0	0	50	0	0	0	0
MARLBORO COL	62	0	0	0	0	62	0	0	0	0
MIDDLEBURY COL	144	0	0	0	0	89	0	0	55	0
NORWICH UNIV	23	0	0	0	0	23	0	0	0	0
ST MICHAELS COL	109	0	0	0	0	109	0	0	0	0
TRINITY COL	129	0	0	0	0	129	0	0	0	0
UNIV OF VERMONT	7,063	1,112	66	0	324	4,721	88	25	592	135
VERMONT COL	31	0	0	0	0	31	0	0	0	0
VERMONT TECHNICAL COL **	76	0	0	0	0	76	0	0	0	0
WINDHAM COL	137	0	0	0	0	108	0	0	29	0
TOTAL VERMONT	8,313	1,112	66	0	324	5,879	88	25	684	135

BRIGHAM YOUNG UNIV	1,393	1	59	32	111	646	72	39	433	0
COLLEGE OF EASTERN UTAH**	48	0	0	0	0	48	0	0	0	0
DIXIE COL **	98	0	0	0	0	98	0	0	0	0
SNOW COLLEGE **	380	0	0	0	0	380	0	0	0	0
SOUTHERN UTAH STATE COLL	329	0	0	0	0	283	0	0	46	0
STEVENS HENAGER COL **	34	0	0	0	0	34	0	0	0	0
UNIV OF UTAH	24,973	0	1,138	4	2,898	16,849	864	160	2,113	947
UTAH STATE UNIV	6,958	1,389	83	0	1,171	1,559	783	88	1,382	503
UTAH TECHNICAL COL-PROVO**	77	0	0	0	0	77	0	0	0	0
UTAH TECHNICAL COL-SLT LK **	40	0	0	0	0	40	0	0	0	0
WEBER STATE COL	679	0	0	0	0	656	0	0	23	0
WESTMINSTER COL	43	0	0	0	0	43	0	0	0	0
TOTAL UTAH	35,052	1,390	1,280	36	4,180	20,713	1,719	287	3,997	1,450
VERMONT										
BENNINGTON COL	46	0	0	0	0	38	0	0	8	0
CASTLETON STATE COL	43	0	0	0	0	43	0	0	0	0
CHAMPLAIN COL **	214	0	0	0	0	214	0	0	0	0
COL OF ST JOSEPH THE PROV	6	0	0	0	0	6	0	0	0	0
GODDARD COL	53	0	0	0	0	53	0	0	0	0
GREEN MOUNTAIN COL **	8	0	0	0	0	8	0	0	0	0
JOHNSON STATE COL	119	0	0	0	0	119	0	0	0	0
LYNDON STATE COL	50	0	0	0	0	50	0	0	0	0
MARLBORO COL	62	0	0	0	0	62	0	0	0	0
MIDDLEBURY COL	144	0	0	0	0	89	0	0	55	0
NORWICH UNIV	23	0	0	0	0	23	0	0	0	0
ST MICHAELS COL	109	0	0	0	0	109	0	0	0	0
TRINITY COL	129	0	0	0	0	129	0	0	0	0
UNIV OF VERMONT	7,063	1,112	66	0	324	4,721	88	25	592	135
VERMONT COL	31	0	0	0	0	31	0	0	0	0
VERMONT TECHNICAL COL **	76	0	0	0	0	76	0	0	0	0
WINDHAM COL	137	0	0	0	0	108	0	0	29	0
TOTAL VERMONT	8,313	1,112	66	0	324	5,879	88	25	684	135
VIRGINIA										
AVERETT COL	42	0	0	0	0	42	0	0	0	0
BLUE RIDGE COMMUNITY COL **	59	0	0	0	0	59	0	0	0	0
BRIDGEWATER COL	86	0	0	0	0	86	0	0	0	0
CENTRAL VIRGINIA COMM COL **	37	0	0	0	0	37	0	0	0	0
COL OF WILLIAM AND MARY	1,255	0	0	0	0	191	0	194	870	0
COLLEGE OF THE POTOMAC	15	0	0	0	0	15	0	0	0	0
DABNEY LANCASTER COMM COL **	31	0	0	0	0	31	0	0	0	0
DANVILLE COMM COL **	23	0	0	0	0	23	0	0	0	0
EASTERN MENNONITE COL	309	0	0	0	0	298	0	0	11	0
EMORY & HENRY COL	111	0	0	0	0	111	0	0	0	0
FERRUM JR COL **	159	0	0	0	0	159	0	0	0	0
FRONT ROYAL-WIN COMM COLL **	14	0	0	0	0	14	0	0	0	0
GERMANNA COMM COLLEGE **	13	0	0	0	0	13	0	0	0	0
HAMPDEN-SYDNEY COL	55	0	0	0	0	39	0	0	16	0
HAMPTON INST	809	0	0	0	0	538	0	115	156	0
HOLLINS COL	288	0	0	0	0	128	0	0	160	0
JOHN TYLER COMM COL **	37	0	0	0	0	37	0	0	0	0
LONGWOOD COL	68	0	0	0	0	68	0	0	0	0
LYNCHBURG COL	170	0	0	0	0	170	0	0	0	0
MADISON COL	159	0	0	0	0	96	0	0	63	0
MARY BALDWIN COL	16	0	0	0	0	16	0	0	0	0
MARYMOUNT COL**	12	0	0	0	0	12	0	0	0	0
NORFOLK STATE COL	1,087	0	0	0	0	1,075	0	0	0	12
NORTHERN VIRGINIA COMM CO **	982	0	0	0	0	982	0	0	0	0
OLD DOMINION UNIV	1,249	0	5	0	18	174	3	704	345	0
PAUL D CAMP COMMUNITY COL **	400	0	0	0	0	400	0	0	0	0
PRES SCH OF CHRISTIAN ED	6	0	0	0	0	6	0	0	0	0
RADFORD COL	362	0	0	0	0	361	0	0	1	0
RANDOLPH-MACON COL	29	0	0	0	0	27	0	0	2	0
RANDOLPH-MACON WOMANS COL	110	0	0	0	0	36	0	0	74	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
VIRGINIA										
RAPPAHANNOCK COMMUNTY COL **	400	0	0	0	0	400	0	0	0	0
ROANOKE COL	538	0	28	0	0	481	0	0	29	0
SHENANDOAH COL	20	0	0	0	0	20	0	0	0	0
SOUTHSIDE VA COMMUNTY COL**	133	0	0	0	0	133	0	0	0	0
SOUTHWEST VA COMM COL **	77	0	0	0	0	75	0	0	2	0
ST PAULS COL	357	0	0	0	0	357	0	0	0	0
STRATFORD COL	196	0	0	0	0	196	0	0	0	0
SULLINS COL **	4	0	0	0	0	4	0	0	0	0
SWEET BRIAR COL	243	0	0	0	0	39	0	0	204	0
THOMAS NELSON COMM COL **	28	0	0	0	0	28	0	0	0	0
TIDEWATER COMMUNITY COL **	19	0	0	0	0	19	0	0	0	0
UNIV OF RICHMOND	103	0	0	0	0	70	0	10	23	0
UNIV OF VIRGINIA	13,640	6	392	0	1,162	9,570	96	939	1,475	0
VA COMMONWEALTH UNIV	15,545	0	54	0	177	14,708	0	505	101	0
VA HIGHLANDS COMM COL **	15	0	0	0	0	15	0	0	0	0
VIRGINIA INTERMONT COL	3	0	0	0	0	3	0	0	0	0
VIRGINIA MILITARY INST	305	0	0	20	20	18	0	0	247	0
VIRGINIA POLYTECHNIC INST	8,977	4,910	185	0	199	1,382	528	281	1,492	0
VIRGINIA STATE COL	856	18	0	0	0	500	0	0	310	28
VIRGINIA UNION UNIV	734	0	0	0	0	734	0	0	0	0
VIRGINIA WESLEYAN COL	27	0	0	0	0	27	0	0	0	0
VIRGINIA WESTERN COMM COL **	79	0	0	0	0	79	0	0	0	0
WASHINGTON & LEE UNIV	97	0	0	0	0	49	0	0	48	0
WYTHEVILLE COMM COL **	121	0	0	0	0	121	0	0	0	0
TOTAL VIRGINIA	50,510	4,934	664	20	1,576	34,272	627	2,748	5,629	40
WASHINGTON										
BELLEVUE COMM COL **	53	0	0	0	0	53	0	0	0	0
BIG BEND COMM COL **	295	0	0	0	0	151	0	0	0	144
CENTRAL WASH STATE COL	309	0	0	0	0	286	0	0	23	0
CENTRALIA COL **	53	0	0	0	0	53	0	0	0	0
CLARK COL **	35	0	0	0	0	33	0	0	2	0
COLUMBIA BASIN COMM COL **	77	0	0	0	0	77	0	0	0	0
EASTERN WASH STATE COL	521	0	0	0	0	504	0	0	17	0
EDMONDS COMM COL **	51	0	0	0	0	51	0	0	0	0
EVERETT COMM COL **	122	0	0	0	0	122	0	0	0	0
FORT STEILACOOM COMM COLL **	12	0	0	0	0	12	0	0	0	0
FORT WRIGHT COL HOLY NAME	136	0	0	0	0	108	0	0	28	0
GONZAGA UNIV	252	0	0	0	0	242	0	0	10	0
GRAYS HARBOR COL **	57	0	0	0	0	51	4	0	2	0
GREEN RIVER COMM COL**	123	0	0	0	0	123	0	0	0	0
HIGHLINE COMMUNITY COLL **	132	0	0	0	0	132	0	0	0	0
LOWER COLUMBIA COL **	56	0	0	0	0	56	0	0	0	0
NORTHWEST COL	44	0	0	0	0	44	0	0	0	0
OLYMPIC COL **	75	0	0	0	0	75	0	0	0	0
PACIFIC LUTHERAN UNIV	295	0	0	0	0	254	0	0	41	0
PENINSULA COL **	76	0	0	0	0	76	0	0	0	0
SEATTLE COMM COL**	979	0	0	0	0	979	0	0	0	0
SEATTLE PACIFIC COL	368	0	0	0	0	292	0	0	76	0
SEATTLE UNIV	547	0	0	0	0	448	0	0	99	0
SHORELINE COMM COL **	148	0	0	0	0	148	0	0	0	0
SKAGIT VALLEY COL **	23	0	0	0	0	23	0	0	0	0
SPOKANE COMM COL**	101	0	0	0	0	101	0	0	0	0
ST MARTINS COL	83	0	0	0	0	83	0	0	0	0

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VIRGINIA WESTERN COMM COL **	79	0	0	0	0	79	0	0	0	0
WASHINGTON & LEE UNIV	97	0	0	0	0	49	0	0	48	0
WYTHEVILLE COMM COL **	121	0	0	0	0	121	0	0	0	0
TOTAL VIRGINIA	50,510	4,934	664	20	1,576	34,272	627	2,748	5,629	40
WASHINGTON										
BELLEVUE COMM COL **	53	0	0	0	0	53	0	0	0	0
BIG BEND COMM COL **	295	0	0	0	0	151	0	0	0	144
CENTRAL WASH STATE COL	309	0	0	0	0	286	0	0	23	0
CENTRALIA COL **	53	0	0	0	0	53	0	0	0	0
CLARK COL **	35	0	0	0	0	33	0	0	2	0
COLUMBIA BASIN COMM COL **	77	0	0	0	0	77	0	0	0	0
EASTERN WASH STATE COL	521	0	0	0	0	504	0	0	17	0
EDMONDS COMM COL **	51	0	0	0	0	51	0	0	0	0
EVERETT COMM COL **	122	0	0	0	0	122	0	0	0	0
FORT STEILACOOM COMM COLL **	12	0	0	0	0	12	0	0	0	0
FORT WRIGHT COL HOLY NAME	136	0	0	0	0	108	0	0	28	0
GONZAGA UNIV	252	0	0	0	0	242	0	0	10	0
GRAYS HARBOR COL **	57	0	0	0	0	51	4	0	2	0
GREEN RIVER COMM COL**	123	0	0	0	0	123	0	0	0	0
HIGHLINE COMMUNITY COLL **	132	0	0	0	0	132	0	0	0	0
LOWER COLUMBIA COL **	56	0	0	0	0	56	0	0	0	0
NORTHWEST COL	44	0	0	0	0	44	0	0	0	0
OLYMPIC COL **	75	0	0	0	0	75	0	0	0	0
PACIFIC LUTHERAN UNIV	295	0	0	0	0	254	0	0	41	0
PENINSULA COL **	76	0	0	0	0	76	0	0	0	0
SEATTLE COMM COL**	979	0	0	0	0	979	0	0	0	0
SEATTLE PACIFIC COL	368	0	0	0	0	292	0	0	76	0
SEATTLE UNIV	547	0	0	0	0	448	0	0	99	0
SHORELINE COMM COL **	148	0	0	0	0	148	0	0	0	0
SKAGIT VALLEY COL **	23	0	0	0	0	23	0	0	0	0
SPOKANE COMM COL**	101	0	0	0	0	101	0	0	0	0
ST MARTINS COL	83	0	0	0	0	83	0	0	0	0
SULPICIAN SEM NORTHWEST	4	0	0	0	0	4	0	0	0	0
TACOMA COMM COL **	102	0	0	0	0	102	0	0	0	0
UNIV OF PUGET SOUND	404	0	0	0	0	393	0	0	9	2
UNIV OF WASHINGTON	58,977	208	2,722	3	2,800	44,183	742	519	7,652	148
WALLA WALLA COL	185	0	0	0	0	183	0	0	2	0
WALLA WALLA COMMUNITY COL **	58	0	0	0	0	58	0	0	0	0
WASHINGTON STATE UNIV	7,440	2,767	324	0	241	2,706	301	19	820	262
WENATCHEE VALLEY COL **	152	0	0	0	0	152	0	0	0	0
WESTERN WASH STATE COL	1,671	0	10	0	0	1,319	15	0	327	0
WHITMAN COL	110	0	0	0	0	96	0	0	14	0
WHITWORTH COL	162	0	0	0	0	157	0	0	5	0
YAKIMA VALLEY COL **	151	0	0	0	0	151	0	0	0	0
TOTAL WASHINGTON	74,439	2,975	3,056	3	3,041	54,081	1,062	538	9,127	556
WEST VIRGINIA										
ALDERSON-BROADDUS COL	168	0	0	0	0	158	0	0	10	0
BECKLEY COL **	4	0	0	0	0	4	0	0	0	0
BETHANY COL	197	0	0	0	0	138	0	0	59	0
BLUEFIELD STATE COL	296	0	0	0	0	266	0	0	30	0
CONCORD COL	381	0	0	0	0	381	0	0	0	0
DAVIS & ELKINS COL	113	0	0	0	0	103	0	0	10	0
FAIRMONT STATE COL	227	0	0	0	0	216	0	0	11	0
GLENVILLE STATE COL	658	0	0	0	0	658	0	0	0	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WEST VIRGINIA										
MARSHALL UNIV	852	0	0	0	0	731	0	0	121	0
MORRIS HARVEY COL	100	0	0	0	0	100	0	0	0	0
OHIO VALLEY COL **	29	0	0	0	0	29	0	0	0	0
POTOMAC ST COL OF W VA U **	91	0	0	0	0	91	0	0	0	0
SALEM COL	591	0	0	0	0	591	0	0	0	0
SHEPHERD COL	192	0	0	0	0	192	0	0	0	0
WEST LIBERTY STATE COL	288	0	0	0	0	286	0	0	2	0
WEST VIRGINIA INST TECH	1,774	0	0	0	0	641	0	0	19	1,114
WEST VIRGINIA STATE COL	504	0	0	0	0	467	0	0	37	0
WEST VIRGINIA UNIV	11,995	2,977	1	0	340	5,920	691	297	1,655	114
WEST VIRGINIA WESLEYN COL	658	0	0	0	0	658	0	0	0	0
WHEELING COL	89	0	0	0	0	68	0	0	21	0
TOTAL WEST VIRGINIA	19,207	2,977	1	0	340	11,698	691	297	1,975	1,228
WISCONSIN										
ALVERNO COL	118	0	0	0	0	116	0	0	2	0
BELOIT COL	113	0	0	0	0	84	0	0	29	0
CARDINAL STRITCH COL	18	0	0	0	0	18	0	0	0	0
CARROLL COL	99	0	0	0	0	85	0	0	14	0
CARTHAGE COL	72	0	0	0	0	70	0	0	2	0
COLUMBIA COUNTY TCHRS COL **	1	0	0	0	0	1	0	0	0	0
CONCORDIA COL **	9	0	0	0	0	9	0	0	0	0
DISTRICT ONE TECH INST **	42	0	0	0	0	42	0	0	0	0
DODGE COUNTY TCHRS COL **	5	0	0	0	0	5	0	0	0	0
DOMINICAN COL	43	0	0	0	0	33	0	0	10	0
EDGEWOOD COL	58	0	0	0	0	37	0	0	21	0
FOND DU LAC TECH INST **	3	0	0	0	0	3	0	0	0	0
FOX VALLEY TECHNICAL INST **	3	0	0	0	0	3	0	0	0	0
HOLY FAMILY COL	14	0	0	0	0	12	0	0	2	0
INST OF PAPER CHEMISTRY	169	0	0	0	0	3	0	0	166	0
KENOSHA TECHNICAL INST **	78	0	0	0	0	78	0	0	0	0
LAKELAND COL	143	0	0	0	0	143	0	0	0	0
LAWRENCE UNIV	174	0	0	0	0	109	0	0	65	0
LAYTON SCHOOL OF ART	3	0	0	0	0	3	0	0	0	0
MADISON AREA TECH COLLEGE **	123	0	0	0	0	123	0	0	0	0
MARIAN COL OF FOND DU LAC	27	0	0	0	0	27	0	0	0	0
MARQUETTE UNIV	3,005	0	50	0	117	2,443	33	0	362	0
MEDICAL COLLEGE OF WISC	3,217	0	0	0	0	3,174	0	0	43	0
MILTON COL	33	0	0	0	0	33	0	0	0	0
MILWAUKEE AREA TECH COL **	91	0	0	0	0	91	0	0	0	0
MILWAUKEE SCHOOL OF ENG	40	0	0	0	0	40	0	0	0	0
MT MARY COL	93	0	0	0	0	93	0	0	0	0
MT SENARIO COL	128	0	0	0	0	128	0	0	0	0
MT ST PAUL COL	42	0	0	0	0	42	0	0	0	0
NE WISCONSIN TECH INST **	3	0	0	0	0	3	0	0	0	0

WISCONSIN										
ALVERNO COL	118	0	0	0	0	116	0	0	2	0
BELOIT COL	113	0	0	0	0	84	0	0	29	0
CARDINAL STRITCH COL	18	0	0	0	0	18	0	0	0	0
CARROLL COL	99	0	0	0	0	85	0	0	14	0
CARTHAGE COL	72	0	0	0	0	70	0	0	2	0
COLUMBIA COUNTY TCHRS COL **	1	0	0	0	0	1	0	0	0	0
CONCORDIA COL **	9	0	0	0	0	9	0	0	0	0
DISTRICT ONE TECH INST **	42	0	0	0	0	42	0	0	0	0
DODGE COUNTY TCHRS COL **	5	0	0	0	0	5	0	0	0	0
DOMINICAN COL	43	0	0	0	0	33	0	0	10	0
EDGEWOOD COL	58	0	0	0	0	37	0	0	21	0
FOND DU LAC TECH INST **	3	0	0	0	0	3	0	0	0	0
FOX VALLEY TECHNICAL INST **	3	0	0	0	0	3	0	0	0	0
HOLY FAMILY COL	14	0	0	0	0	12	0	0	2	0
INST OF PAPER CHEMISTRY	169	0	0	0	0	3	0	0	166	0
KENOSHA TECHNICAL INST **	78	0	0	0	0	78	0	0	0	0
LAKELAND COL	143	0	0	0	0	143	0	0	0	0
LAWRENCE UNIV	174	0	0	0	0	109	0	0	65	0
LAYTON SCHOOL OF ART	3	0	0	0	0	3	0	0	0	0
MADISON AREA TECH COLLEGE **	123	0	0	0	0	123	0	0	0	0
MARIAN COL OF FOND DU LAC	27	0	0	0	0	27	0	0	0	0
MARQUETTE UNIV	3,005	0	50	0	117	2,443	33	0	362	0
MEDICAL COLLEGE OF WISC	3,217	0	0	0	0	3,174	0	0	43	0
MILTON COL	33	0	0	0	0	33	0	0	0	0
MILWAUKEE AREA TECH COL **	91	0	0	0	0	91	0	0	0	0
MILWAUKEE SCHOOL OF ENG	40	0	0	0	0	40	0	0	0	0
MT MARY COL	93	0	0	0	0	93	0	0	0	0
MT SENARIO COL	128	0	0	0	0	128	0	0	0	0
MT ST PAUL COL	42	0	0	0	0	42	0	0	0	0
NE WISCONSIN TECH INST **	3	0	0	0	0	3	0	0	0	0
NICOLET COL & TECH INST **	679	0	0	0	0	679	0	0	0	0
NORTH CENTRAL TECH INST **	349	0	0	0	0	349	0	0	0	0
NORTHLAND COL	168	0	0	0	0	168	0	0	0	0
RIPON COL	192	0	0	0	0	143	0	0	49	0
ST LAWRENCE SEMINARY	3	0	0	0	0	3	0	0	0	0
ST NORBERT COL	94	0	0	0	0	88	0	0	6	0
STOUT STATE UNIV	284	0	0	0	0	268	0	0	16	0
TAYLOR COUNTY TCHRS COL	2	0	0	0	0	2	0	0	0	0
UNIV OF WISC CEN SYS*	555	0	0	75	440	7	23	0	10	0
UNIV OF WISC GREEN BAY **	92	0	0	0	0	79	0	0	13	0
UNIV OF WISC PARKSIDE	88	0	0	0	0	70	0	0	18	0
UNIV OF WISCONSIN CTR **	63	0	0	0	0	57	0	0	6	0
UNIV OF WISCONSIN MADISON	51,740	4,415	3,229	8	1,010	28,461	343	1,603	7,225	5,446
UNIV OF WISCONSIN MILWAUK	5,827	0	13	0	0	5,193	0	0	505	116
VITERBO COL	142	0	0	0	0	140	0	0	2	0
WAUKESHA COUNTY TECH INST **	4	0	0	0	0	4	0	0	0	0
WAUSHARA COUNTY TCHRS COL **	7	0	0	0	0	7	0	0	0	0
WESTERN WISC TECH INST	122	0	0	0	0	122	0	0	0	0
WISC ST UNIV CEN SYS*	3,813	0	0	0	0	3,760	0	0	53	0
WISC ST UNIV STEVENS PNT	304	0	0	0	0	279	0	0	25	0
WISC STATE UNIV EAU CLAIR	322	0	0	0	0	237	0	0	85	0
WISC STATE UNIV LA CROSSE	64	0	0	0	0	53	0	0	11	0
WISC STATE UNIV OSHKOSH	207	0	0	0	0	110	0	0	97	0
WISC STATE UNIV PLATTEVLL	88	0	0	0	0	63	0	0	25	0
WISC STATE UNIV RIVER FLL	82	0	0	0	0	17	0	0	65	0
WISC STATE UNIV SUPERIOR	387	0	0	0	0	5	0	0	382	0
WISC STATE UNIV WHITEWATR	74	0	0	0	0	60	0	0	14	0
WISCONSIN CONSERVATORY	6	0	0	0	0	6	0	0	0	0
TOTAL WISCONSIN	73,725	4,415	3,292	83	1,567	47,481	399	1,603	9,323	5,562
WYOMING										
CASPER COL **	126	0	0	0	0	124	0	0	2	0

TABLE C-13 CONT'D

TOTAL FEDERAL OBLIGATIONS
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WYOMING										
CENTRAL WYOMING COL **	24	0	0	0	0	24	0	0	0	0
EASTERN WYOMING COL **	19	0	0	0	0	19	0	0	0	0
NORTHWEST COMM COL **	28	0	0	0	0	24	0	0	4	0
SHERIDAN COLLEGE **	49	0	0	0	0	49	0	0	0	0
UNIV OF WYOMING	4,518	1,128	116	15	21	1,534	551	117	1,036	0
WESTERN WYOMING COMM COL **	17	0	0	0	0	17	0	0	0	0
TOTAL WYOMING	4,781	1,128	116	15	21	1,791	551	117	1,042	0
OUTLYING AREAS										
GUAM										
UNIVERSITY OF GUAM	490	0	0	0	0	436	46	0	8	0
TOTAL GUAM	490	0	0	0	0	436	46	0	8	0
PUERTO RICO										
CATHOLIC UNIV OF P R	410	0	0	0	0	404	0	0	6	0
COL OF THE SACRED HEART	291	0	0	0	0	291	0	0	0	0
INTER AMER UNIV OF P R	952	0	0	0	0	899	0	0	53	0
PUERTO RICO JR COL **	121	0	0	0	0	121	0	0	0	0
UNIV OF P R CEN SYS*	3,195	0	2,641	0	0	446	0	0	108	0
UNIV OF P R MAYAGUEZ	4,804	4,642	0	0	0	67	57	0	38	0
UNIV OF P R RIO PIEDRAS	2,863	0	0	0	22	2,636	0	0	205	0
UNIV OF P R SAN JUAN	6,714	0	0	0	0	6,714	0	0	0	0
TOTAL PUERTO RICO	19,350	4,642	2,641	0	22	11,578	57	0	410	0
VIRGIN ISLANDS										
COL OF VIRGIN ISLANDS	580	56	0	0	0	394	0	87	43	0
TOTAL VIRGIN ISLANDS	580	56	0	0	0	394	0	87	43	0
UNITED STATES TOTAL	3,226,737	182,054	114,485	4,922	265,524	2.051,010	27,714	131,231	387,374	62,423

TABLE C-14

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
ALABAMA										
ALA AGR AND MECH COL	67	26	0	0	0	0	35	6	0	0
ALABAMA STATE UNIVERSITY	5	5	0	0	0	0	0	0	0	0
AUBURN UNIV	2,657	1,708	19	0	262	262	194	212	0	0
BIRMINGHAM-SOUTHERN COL	5	0	0	0	0	5	0	0	0	0
LIVINGSTON UNIVERSITY	9	0	0	0	0	9	0	0	0	0
OAKWOOD COL	25	0	0	0	0	0	0	25	0	0
TALLADEGA COL	19	0	0	0	0	0	0	19	0	0
TROY STATE UNIV	5	0	0	0	0	5	0	0	0	0
TUSKEGEE INST	481	228	36	0	0	173	0	24	20	0
U OF ALA IN BIRMINGHAM	6,677	0	0	0	104	6,523	0	0	50	0
U OF ALA IN HUNTSVILLE	762	0	0	0	351	0	0	411	0	0
U OF ALA IN TUSCALOOSA	839	0	24	0	224	145	3	301	142	0
UNIV OF SOUTH ALA	9	0	0	0	0	9	0	0	0	0
TOTAL ALABAMA	11,560	1,967	79	0	941	7,131	232	998	212	0
ALASKA										
UNIV OF ALASKA	5,935	516	271	0	2,090	456	408	302	1,824	68
TOTAL ALASKA	5,935	516	271	0	2,090	456	408	302	1,824	68
ARIZONA										
ARIZONA STATE UNIV	1,031	0	88	0	238	368	0	42	295	0
NAVAJO COMMUNITY COLLEGE	748	0	0	0	0	10	0	0	0	738
NORTHERN ARIZ UNIV	103	58	0	0	0	0	0	0	45	0
PRESCOTT COL	15	0	0	0	0	15	0	0	0	0
UNIV OF ARIZONA	8,227	799	360	6	2,613	1,390	198	1,552	1,201	108
TOTAL ARIZONA	10,124	857	448	6	2,851	1,783	198	1,594	1,541	846
ARKANSAS										
AG MECH&NORMAL COL OF ARK	22	22	0	0	0	0	0	0	0	0
ARK ST UNIV	15	0	0	0	0	0	0	15	0	0
HARDING COL	45	0	0	0	0	0	0	45	0	0
SOUTHERN ST COL	10	0	0	0	0	10	0	0	0	0
UNIV OF ARK	4,080	1,368	155	75	0	2,040	139	0	303	0
TOTAL ARKANSAS	4,172	1,390	155	75	0	2,050	139	60	303	0

UNIV OF SOUTH ALA	9	0	0	0	0	9	0	0	0	0
TOTAL ALABAMA	11,560	1,967	79	0	941	7,131	232	998	212	0
ALASKA										
UNIV OF ALASKA	5,935	516	271	0	2,090	456	408	302	1,824	68
TOTAL ALASKA	5,935	516	271	0	2,090	456	408	302	1,824	68
ARIZONA										
ARIZONA STATE UNIV	1,031	0	88	0	238	368	0	42	295	0
NAVAJO COMMUNITY COLLEGE	748	0	0	0	0	10	0	0	0	738
NORTHERN ARIZ UNIV	103	58	0	0	0	0	0	0	45	0
PRESCOTT COL	15	0	0	0	0	15	0	0	0	0
UNIV OF ARIZONA	8,227	799	360	6	2,613	1,390	198	1,552	1,201	108
TOTAL ARIZONA	10,124	857	448	6	2,851	1,783	198	1,594	1,541	846
ARKANSAS										
AG MECH&NORMAL COL OF ARK	22	22	0	0	0	0	0	0	0	0
ARK ST UNIV	15	0	0	0	0	0	0	15	0	0
HARDING COL	45	0	0	0	0	0	0	45	0	0
SOUTHERN ST COL	10	0	0	0	0	10	0	0	0	0
UNIV OF ARK	4,080	1,368	155	75	0	2,040	139	0	303	0
TOTAL ARKANSAS	4,172	1,390	155	75	0	2,050	139	60	303	0
CALIFORNIA										
CAL COL OF PODIATRIC MED	1	0	0	0	0	1	0	0	0	0
CAL INST OF TECH	15,027	0	2,558	0	2,496	3,729	167	3,166	2,911	0
CAL ST COL AT FULLERTON	48	0	0	0	0	9	0	0	39	0
CAL ST COL AT HAYWARD	24	0	0	0	0	24	0	0	0	0
CAL ST COL AT LONG BEACH	142	0	0	0	45	95	0	0	2	0
CAL ST COL AT LOS ANGELES	229	0	0	0	23	91	0	0	115	0
CAL ST COL DOMINGUEZ HILL	17	0	0	0	0	17	0	0	0	0
CAL ST COL SAN BERNARDINO	35	0	0	0	0	0	0	0	35	0
CAL ST POLY C POMONA	20	0	0	0	0	0	0	0	20	0
CAL ST POLY C SAN LU OBIS	36	0	0	0	36	0	0	0	0	0
CHAPMAN COL	10	0	10	0	0	0	0	0	0	0
CHICO STATE COL	70	0	0	0	0	0	0	20	50	0
CLAREMONT GRAD SCH & UNIV	72	0	0	0	0	37	0	0	35	0
CLAREMONT MENS COL	12	0	0	0	0	0	0	0	12	0
COL OF NOTRE DAME	12	0	0	0	0	0	0	0	12	0
FRESNO STATE COL	380	29	0	0	0	0	340	0	11	0
FULLER THEOL SEM	41	0	0	0	0	41	0	0	0	0
HUMBOLDT STATE COL	51	20	0	0	0	16	0	0	15	0
L A CITY JR COL CEN SYS*	144	0	0	0	0	0	0	0	0	144
LOMA LINDA UNIV	580	0	29	0	15	536	0	0	0	0
LOS ANGELES COL OF OPTOM	1	0	0	0	0	1	0	0	0	0
MILLS COL	10	0	0	0	0	10	0	0	0	0
OCCIDENTAL COL	18	0	0	0	0	0	0	0	18	0
PACIFIC OAKS COL	111	0	0	0	0	111	0	0	0	0
PEPPERDINE COL	62	0	0	0	0	62	0	0	0	0
PERALTA JR COL CEN SYS*	493	0	0	0	0	0	0	0	0	493
POMONA COL	145	0	0	0	8	137	0	0	0	0
SACRAMENTO STATE COL	84	0	0	8	0	21	0	0	55	0
SAN DIEGO JR COL CEN SYS*	839	0	0	0	0	0	0	0	0	839
SAN DIEGO STATE COL	1,079	0	100	0	596	109	0	0	274	0
SAN FERNANDO VLY ST COL	61	0	0	0	0	61	0	0	0	0
SAN FRANCISCO STATE COL	338	0	0	0	0	309	1	0	28	0
SAN JOSE STATE COL	256	0	0	0	111	7	10	110	18	0
SONOMA STATE COL	2	0	0	2	0	0	0	0	0	0
STANFORD UNIV	39,086	0	662	10	10,928	15,254	234	4,012	7,873	113
STANISLAUS STATE COL	15	0	0	0	15	0	0	0	0	0
U S INTERNATIONAL UNIV	77	0	0	0	0	39	0	0	38	0

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
CALIFORNIA										
UNIV OF CAL BERKELEY	28,433	561	556	0	4,875	10,729	628	6,695	3,564	825
UNIV OF CAL DAVIS	10,585	73	2,345	0	242	5,635	181	586	1,487	36
UNIV OF CAL IRVINE	3,463	0	795	0	248	1,282	25	0	1,113	0
UNIV OF CAL LOS ANGELES	35,206	0	4,496	5	6,216	16,873	328	2,439	3,903	946
UNIV OF CAL RIVERSIDE	2,646	64	334	0	241	1,404	20	9	574	0
UNIV OF CAL SAN DIEGO	34,953	0	2,027	49	10,663	7,731	0	3,463	11,020	0
UNIV OF CAL SANTA CRUZ	504	0	30	0	58	211	0	60	145	0
UNIV OF CAL CENTRAL SYS*	1,608	1,608	0	0	0	0	0	0	0	0
UNIV OF CAL SAN FRANCISCO	13,628	0	659	0	324	12,532	0	113	0	0
UNIV OF CAL SANTA BARBARA	2,764	0	230	0	325	787	6	192	1,224	0
UNIV OF REDLANDS	15	0	0	0	0	15	0	0	0	0
UNIV OF SAN DIEGO	102	0	0	0	0	29	0	0	73	0
UNIV OF SAN FRANCISCO	285	0	0	0	114	115	0	56	0	0
UNIV OF SANTA CLARA	149	0	0	0	43	0	0	105	0	1
UNIV OF SOUTHERN CAL	12,466	0	247	3	1,785	7,356	57	912	1,491	615
UNIV OF THE PACIFIC	210	0	0	0	118	47	35	0	10	0
WESTMONT COL	25	0	0	0	0	25	0	0	0	0
TOTAL CALIFORNIA	206,670	2,355	15,078	77	39,525	85,488	2,032	21,938	36,165	4,012
COLORADO										
COLORADO COL	50	0	0	0	0	37	0	0	13	0
COLORADO SCH OF MINES	1,205	0	0	241	3	0	162	202	597	0
COLORADO STATE UNIV	9,560	1,042	269	95	1,061	1,488	789	482	3,902	432
LORETTO HEIGHTS COL	5	0	0	0	0	5	0	0	0	0
SOUTHERN COLORADO ST COL	61	0	0	0	0	0	0	0	0	61
TRINIDAD STATE JR COL	3	0	0	0	0	0	3	0	0	0
UNIV OF COLORADO	15,809	0	880	458	1,832	7,455	95	1,504	3,571	14
UNIV OF DENVER	2,701	0	0	0	1,317	421	110	380	461	12
UNIV OF NORTHERN COLORADO	74	0	0	0	5	69	0	0	0	0
TOTAL COLORADO	29,468	1,042	1,149	794	4,218	9,475	1,159	2,568	8,544	519
CONNECTICUT										
CONNECTICUT COL	27	0	0	0	9	18	0	0	0	0
FAIRFIELD UNIV	13	0	0	0	0	0	0	9	4	0
NEW ENGLAND INST	45	0	45	0	0	0	0	0	0	0
QUINNIPIAC COL	14	0	0	0	0	14	0	0	0	0
SOUTHERN CONN STATE COL	33	0	0	0	0	33	0	0	0	0
ST JOSEPH COL	5	0	0	0	0	0	0	0	5	0
TRINITY COL	34	0	0	0	0	14	0	0	20	0
UNIV OF BRIDGEPORT	20	0	0	0	0	20	0	0	0	0
UNIV OF CONNECTICUT	4,707	354	92	50	425	2,789	220	94	683	0
UNIV OF HARTFORD	138	0	0	0	0	126	0	0	12	0
WESLEYAN UNIV	722	0	0	15	39	141	0	228	299	0
WESTERN CONN STATE COL	10	0	0	0	0	0	0	0	10	0
YALE UNIV	20,120	0	3,306	0	1,631	11,271	1	694	3,216	1
TOTAL CONNECTICUT	25,888	354	3,443	65	2,104	14,426	221	1,025	4,249	1

TOTAL CALIFORNIA	206,670	2,355	15,078	77	39,525	85,488	2,032	21,938	36,165	4,012
COLORADO										
COLORADO COL	50	0	0	0	0	37	0	0	13	0
COLORADO SCH OF MINES	1,205	0	0	241	3	0	162	202	597	0
COLORADO STATE UNIV	9,560	1,042	269	95	1,061	1,488	789	482	3,902	432
LORETTO HEIGHTS COL	5	0	0	0	0	5	0	0	0	0
SOUTHERN COLORADO ST COL	61	0	0	0	0	0	0	0	0	61
TRINIDAD STATE JR COL	3	0	0	0	0	0	3	0	0	0
UNIV OF COLORADO	15,809	0	880	458	1,832	7,455	95	1,504	3,571	14
UNIV OF DENVER	2,701	0	0	0	1,317	421	110	380	461	12
UNIV OF NORTHERN COLORADO	74	0	0	0	5	69	0	0	0	0
TOTAL COLORADO	29,468	1,042	1,149	794	4,218	9,475	1,159	2,568	8,544	519
CONNECTICUT										
CONNECTICUT COL	27	0	0	0	9	18	0	0	0	0
FAIRFIELD UNIV	13	0	0	0	0	0	0	9	4	0
NEW ENGLAND INST	45	0	45	0	0	0	0	0	0	0
QUINNIPIAC COL	14	0	0	0	0	14	0	0	0	0
SOUTHERN CONN STATE COL	33	0	0	0	0	33	0	0	0	0
ST JOSEPH COL	5	0	0	0	0	0	0	0	5	0
TRINITY COL	34	0	0	0	0	14	0	0	20	0
UNIV OF BRIDGEPORT	20	0	0	0	0	20	0	0	0	0
UNIV OF CONNECTICUT	4,707	354	92	50	425	2,789	220	94	683	0
UNIV OF HARTFORD	138	0	0	0	0	126	0	0	12	0
WESLEYAN UNIV	722	0	0	15	39	141	0	228	299	0
WESTERN CONN STATE COL	10	0	0	0	0	0	0	0	10	0
YALE UNIV	20,120	0	3,306	0	1,631	11,271	1	694	3,216	1
TOTAL CONNECTICUT	25,888	354	3,443	65	2,104	14,426	221	1,025	4,249	1
DELAWARE										
DELAWARE STATE COL	21	12	0	0	0	0	0	9	0	0
UNIV OF DELAWARE	1,850	477	30	30	726	158	93	0	336	0
TOTAL DELAWARE	1,871	489	30	30	726	158	93	9	336	0
DIST OF COLUMBIA										
AMERICAN UNIVERSITY	1,817	0	0	0	1,469	159	44	54	87	4
CATHOLIC UNIV OF AMERICA	2,096	0	83	0	979	490	80	159	260	45
DUNBARTON COL HOLY CROSS	13	0	0	0	0	0	0	0	0	13
FEDERAL CITY COL	28	0	0	0	0	0	0	28	0	0
GALLAUDET COL	330	0	0	0	0	330	0	0	0	0
GEORGE WASHINGTON UNIV	7,906	0	10	0	1,639	4,264	47	1,298	205	443
GEORGETOWN UNIV	4,103	0	52	0	578	2,686	21	25	649	92
HOWARD UNIV	1,480	70	96	0	22	774	0	174	128	216
TRINITY COL	4	0	0	0	0	4	0	0	0	0
TOTAL DISTRICT OF COLUMBIA	17,777	70	241	0	4,687	8,707	192	1,738	1,329	813
FLORIDA										
FLORIDA AGR & MECH UNIV	30	20	0	0	0	10	0	0	0	0
FLORIDA ATLANTIC UNIV	140	0	0	0	126	0	0	0	14	0
FLORIDA INST OF TECH	101	0	0	0	21	0	0	80	0	0
FLORIDA PRESBYTERIAN COL	11	0	0	0	0	0	0	0	11	0
FLORIDA STATE UNIV	5,709	0	1,166	29	1,649	1,154	0	133	1,381	197
FLORIDA TECHNOLOGICL UNIV	54	0	0	0	25	4	0	25	0	0

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
FLORIDA										
NOVA UNIV	661	0	41	0	284	165	0	0	171	0
STETSON UNIV	17	0	0	0	17	0	0	0	0	0
UNIV OF FLORIDA	11,349	1,277	388	0	1,850	4,820	329	487	1,288	910
UNIV OF MIAMI	12,528	0	319	86	2,367	5,441	505	375	3,287	148
UNIV OF SOUTH FLORIDA	511	0	0	0	35	304	0	10	162	0
TOTAL FLORIDA	31,111	1,297	1,914	115	6,374	11,898	834	1,110	6,314	1,255
GEORGIA										
ATLANTA UNIV	276	8	0	0	0	34	0	0	0	234
CLARK COL	37	0	0	0	0	37	0	0	0	0
EMORY UNIV	6,295	0	76	0	163	5,408	0	345	273	30
FORT VALLEY STATE COL	35	35	0	0	0	0	0	0	0	0
GEORGIA INST OF TECH	5,793	10	250	5	3,289	369	201	948	613	108
GEORGIA SOUTHERN COL	66	0	0	0	0	21	0	0	45	0
GEORGIA STATE UNIVERSITY	65	0	0	0	26	34	0	0	0	5
MEDICAL COL OF GEORGIA	1,423	0	23	0	60	1,340	0	0	0	0
MERCER UNIV	1	0	0	0	0	1	0	0	0	0
MOREHOUSE COL	12	0	0	0	0	0	0	0	12	0
UNIV OF GEORGIA	6,911	2,079	630	70	459	1,345	153	25	2,139	11
WEST GEORGIA COL	28	0	0	0	0	0	0	0	28	0
TOTAL GEORGIA	20,942	2,132	979	75	3,997	8,589	354	1,318	3,110	388
HAWAII										
UNIV OF HAWAII	10,498	557	551	90	2,169	2,692	129	1,103	3,207	0
TOTAL HAWAII	10,498	557	551	90	2,169	2,692	129	1,103	3,207	0
IDAHO										
BOISE STATE COLLEGE	48	0	0	0	0	48	0	0	0	0
IDAHO STATE UNIV	9	0	8	0	0	1	0	0	0	0
UNIV OF IDAHO	1,301	797	0	0	54	13	281	24	132	0
TOTAL IDAHO	1,358	797	8	0	54	62	281	24	132	0
ILLINOIS										
BRADLEY UNIV	13	0	0	0	0	0	0	1	12	0
CHICAGO MEDICAL SCHOOL	435	0	0	0	15	420	0	0	0	0
CITY COLLEGES OF CHICAGO	4	0	0	0	0	4	0	0	0	0
DEPAUL UNIV	114	0	0	0	0	114	0	0	0	0
ILLINOIS INST OF TECH	5,565	0	149	0	1,950	2,993	34	159	280	0
ILLINOIS ST UNIV	45	0	0	0	23	22	0	0	0	0
KNOX COL	6	0	0	0	0	6	0	0	0	0

CLARK COL	37	0	0	0	0	37	0	0	0	0
EMORY UNIV	6,295	0	76	0	163	5,408	0	345	273	30
FORT VALLEY STATE COL	35	35	0	0	0	0	0	0	0	0
GEORGIA INST OF TECH	5,793	10	250	5	3,289	369	201	948	613	108
GEORGIA SOUTHERN COL	66	0	0	0	0	21	0	0	45	0
GEORGIA STATE UNIVERSITY	65	0	0	0	26	34	0	0	0	5
MEDICAL COL OF GEORGIA	1,423	0	23	0	60	1,340	0	0	0	0
MERCER UNIV	1	0	0	0	0	1	0	0	0	0
MOREHOUSE COL	12	0	0	0	0	0	0	0	12	0
UNIV OF GEORGIA	6,911	2,079	630	70	459	1,345	153	25	2,139	11
WEST GEORGIA COL	28	0	0	0	0	0	0	0	28	0
TOTAL GEORGIA	20,942	2,132	979	75	3,997	8,589	354	1,318	3,110	388
HAWAII										
UNIV OF HAWAII	10,498	557	551	90	2,169	2,692	129	1,103	3,207	0
TOTAL HAWAII	10,498	557	551	90	2,169	2,692	129	1,103	3,207	0
IDAHO										
BOISE STATE COLLEGE	48	0	0	0	0	48	0	0	0	0
IDAHO STATE UNIV	9	0	8	0	0	1	0	0	0	0
UNIV OF IDAHO	1,301	797	0	0	54	13	281	24	132	0
TOTAL IDAHO	1,358	797	8	0	54	62	281	24	132	0
ILLINOIS										
BRADLEY UNIV	13	0	0	0	0	0	0	1	12	0
CHICAGO MEDICAL SCHOOL	435	0	0	0	15	420	0	0	0	0
CITY COLLEGES OF CHICAGO	4	0	0	0	0	4	0	0	0	0
DEPAUL UNIV	114	0	0	0	0	114	0	0	0	0
ILLINOIS INST OF TECH	5,565	0	149	0	1,950	2,993	34	159	280	0
ILLINOIS ST UNIV	45	0	0	0	23	22	0	0	0	0
KNOX COL	6	0	0	0	0	6	0	0	0	0
LAKE FOREST COL	11	0	0	0	0	11	0	0	0	0
LOYOLA UNIV	884	0	52	0	55	777	0	0	0	0
NORTHERN ILLINOIS UNIV	309	0	0	0	58	105	0	0	146	0
NORTHWESTERN UNIV	10,217	2	220	0	1,488	4,597	20	1,038	2,616	236
QUINCY COL	10	0	0	0	0	0	0	0	10	0
ROOSEVELT UNIV	10	0	0	0	0	10	0	0	0	0
SOUTHERN ILL U-CARBONDALE	535	35	0	0	0	288	7	1	176	28
SOUTHN ILL U-EDWARDSVILLE	139	0	0	0	0	97	0	0	42	0
ST PROCOPIUS COL	86	0	86	0	0	0	0	0	0	0
TRITON COL	87	0	0	0	0	87	0	0	0	0
UNIV OF CHICAGO	26,467	0	4,708	125	1,610	11,823	75	2,807	5,248	71
UNIV OF ILL CEN SYS*	486	0	0	0	0	0	0	0	0	486
UNIV OF ILLINOIS-CHGO CIR	1,376	0	29	0	512	231	0	45	409	150
UNIV OF ILLINOIS-MED CTR	3,618	0	0	0	0	3,573	0	0	45	0
UNIV OF ILLINOIS-URBANA	30,446	1,696	3,809	0	12,878	5,287	408	782	5,395	191
WESTERN ILLINOIS UNIV	20	0	0	0	0	20	0	0	0	0
TOTAL ILLINOIS	80,883	1,733	9,053	125	18,589	30,465	544	4,833	14,379	1,162
INDIANA										
BALL STATE UNIV	34	0	0	0	0	32	0	0	2	0
BUTLER UNIV	1	0	0	0	0	1	0	0	0	0
DEPAUW UNIV	13	0	0	0	0	0	13	0	0	0
INDIANA STATE UNIV	41	10	0	0	0	31	0	0	0	0
INDIANA UNIV-BLOOMINGTON	6,789	0	260	0	766	2,552	22	333	2,211	645
INDIANA UNIV-INDIANAPOLIS	3,397	0	17	0	0	3,318	0	0	62	0
PURDUE UNIV	12,290	2,700	1,589	0	2,222	2,334	260	711	2,076	398
ROSE POLYTECH INST	36	0	0	0	0	15	0	21	0	0
UNIV OF NOTRE DAME	3,135	0	1,463	0	394	893	0	97	288	0
TOTAL INDIANA	25,736	2,710	3,329	0	3,382	9,176	295	1,162	4,639	1,043
IOWA										
COL OF OSTEOPATH MED SURG	21	0	0	0	0	21	0	0	0	0

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
IOWA										
DRAKE UNIV	56	0	0	0	0	56	0	0	0	0
GRINNELL COL	24	0	0	0	0	5	0	0	19	0
IOWA ST U OF SCIENCE&TECH	4,830	1,838	31	0	604	1,337	459	37	390	134
UNIV OF IOWA	9,985	11	94	0	1,086	5,794	88	1,904	862	146
UNIV OF NORTHERN IOWA	15	0	0	0	0	15	0	0	0	0
TOTAL IOWA	14,931	1,849	125	0	1,690	7,228	547	1,941	1,271	280
KANSAS										
KANS ST COL OF PITTSBURG	9	0	0	0	0	9	0	0	0	0
KANSAS STATE TCHRS COL	40	0	0	0	0	40	0	0	0	0
KANSAS STATE UNIV	3,831	1,078	303	0	600	736	215	54	660	185
UNIV OF KANSAS	7,010	0	341	0	623	4,144	124	515	1,093	170
WASHBURN UNIV OF TOPEKA	12	0	0	0	0	12	0	0	0	0
WICHITA STATE UNIV	33	0	23	0	0	10	0	0	0	0
TOTAL KANSAS	10,935	1,078	667	0	1,223	4,951	339	569	1,753	355
KENTUCKY										
BELLARMINE-URSULINE COL	13	0	0	0	13	0	0	0	0	0
EASTERN KENTUCKY UNIV	528	0	0	0	0	0	0	0	0	528
KENTUCKY STATE COL	19	19	0	0	0	0	0	0	0	0
MOREHEAD STATE UNIV	216	0	6	0	0	9	0	0	0	201
UNIV OF KENTUCKY	7,116	2,508	89	123	856	2,331	211	279	676	43
UNIV OF LOUISVILLE	1,290	0	0	0	267	908	0	0	38	77
WESTERN KENTUCKY UNIV	74	0	0	0	0	74	0	0	0	0
TOTAL KENTUCKY	9,256	2,527	95	123	1,136	3,322	211	279	714	849
LOUISIANA										
DELGADO COL	171	0	0	0	0	171	0	0	0	0
FRANCIS T NICHOLLS ST COL	114	0	0	0	0	0	0	0	114	0
GRAMBLING COL	27	0	0	0	0	0	0	27	0	0
LA ST UNIV BATON ROUGE	5,404	1,241	200	0	784	439	144	615	1,961	20
LA ST UNIV NEW ORLEANS	610	0	0	0	116	355	0	25	65	49
LA ST UNIV MEDICAL CTR	1,067	0	0	0	0	1,051	0	0	16	0
LOUISIANA TECH UNIVERSITY	49	34	0	0	0	0	0	0	15	0
LOYOLA UNIV	30	0	0	0	0	0	0	0	30	0
LSU CENTRAL SYSTEM*	17	0	0	0	17	0	0	0	0	0
NORTHEAST LOUISIANA UNIV	12	0	0	0	0	12	0	0	0	0
NORTHWESTERN ST COL OF LA	12	0	0	0	0	12	0	0	0	0
SOUTHERN UNIV	399	31	0	130	0	0	0	0	0	238
TULANE UNIV	7,201	0	77	0	247	6,074	23	48	630	102
UNIV OF SOUTHWESTERN LA	36	0	0	0	0	0	31	0	5	0
XAVIER U OF LOUISIANA	9	0	0	0	0	9	0	0	0	0
TOTAL LOUISIANA	15,158	1,306	277	130	1,164	8,123	198	715	2,836	409
MAINE										
BATES COL	7	0	0	0	0	7	0	0	0	0
BOWDOIN COL	39	0	0	0	16	23	0	0	0	0
COLBY COL	10	0	0	0	10	0	0	0	0	0
UNIV OF MAINE ORONO	1,254	807	0	0	10	121	158	30	116	12

KENTUCKY										
BELLARMINE-URSULINE COL	13	0	0	0	13	0	0	0	0	0
EASTERN KENTUCKY UNIV	528	0	0	0	0	0	0	0	0	528
KENTUCKY STATE COL	19	19	0	0	0	0	0	0	0	0
MOREHEAD STATE UNIV	216	0	6	0	0	9	0	0	0	201
UNIV OF KENTUCKY	7,116	2,508	89	123	856	2,331	211	279	676	43
UNIV OF LOUISVILLE	1,290	0	0	0	267	908	0	0	38	77
WESTERN KENTUCKY UNIV	74	0	0	0	0	74	0	0	0	0
TOTAL KENTUCKY	9,256	2,527	95	123	1,136	3,322	211	279	714	849
LOUISIANA										
DELGADO COL	171	0	0	0	0	171	0	0	0	0
FRANCIS T NICHOLLS ST COL	114	0	0	0	0	0	0	0	114	0
GRAMBLING COL	27	0	0	0	0	0	0	27	0	0
LA ST UNIV BATON ROUGE	5,404	1,241	200	0	784	439	144	615	1,961	20
LA ST UNIV NEW ORLEANS	610	0	0	0	116	355	0	25	65	49
LA ST UNIV MEDICAL CTR	1,067	0	0	0	0	1,051	0	0	16	0
LOUISIANA TECH UNIVERSITY	49	34	0	0	0	0	0	0	15	0
LOYOLA UNIV	30	0	0	0	0	0	0	0	30	0
LSU CENTRAL SYSTEM*	17	0	0	0	17	0	0	0	0	0
NORTHEAST LOUISIANA UNIV	12	0	0	0	0	12	0	0	0	0
NORTHWESTERN ST COL OF LA	12	0	0	0	0	12	0	0	0	0
SOUTHERN UNIV	399	31	0	130	0	0	0	0	0	238
TULANE UNIV	7,201	0	77	0	247	6,074	23	48	630	102
UNIV OF SOUTHWESTERN LA	36	0	0	0	0	0	31	0	5	0
XAVIER U OF LOUISIANA	9	0	0	0	0	9	0	0	0	0
TOTAL LOUISIANA	15,158	1,306	277	130	1,164	8,123	198	715	2,836	409
MAINE										
BATES COL	7	0	0	0	0	7	0	0	0	0
BOWDOIN COL	39	0	0	0	16	23	0	0	0	0
COLBY COL	10	0	0	0	10	0	0	0	0	0
UNIV OF MAINE ORONO	1,254	807	0	0	10	121	158	30	116	12
TOTAL MAINE	1,310	807	0	0	36	151	158	30	116	12
MARYLAND										
BOWIE STATE COL	33	0	0	0	0	0	0	33	0	0
CATONSVILLE COMM COL	7	0	0	0	0	0	0	0	7	0
CHESAPEAKE COLLEGE	12	0	0	0	12	0	0	0	0	0
COLUMBIA UNION COL	9	0	0	0	0	0	0	9	0	0
FROSTBURG STATE COL	7	0	0	0	0	7	0	0	0	0
GOUCHER COL	48	0	0	0	0	18	0	0	30	0
JOHNS HOPKINS UNIV	21,565	28	953	32	2,366	15,623	65	486	2,002	10
MORGAN STATE COL	29	0	0	0	0	0	0	29	0	0
UNIV OF MARYLAND	16,549	943	2,158	0	2,818	4,556	229	3,190	2,541	114
WESTERN MARYLAND COL	22	0	0	0	0	22	0	0	0	0
TOTAL MARYLAND	38,281	971	3,111	32	5,196	20,226	294	3,747	4,580	124
MASSACHUSETTS										
AMHERST COL	270	0	0	0	0	205	0	0	65	0
BOSTON COL	1,686	0	55	0	925	250	0	28	128	300
BOSTON UNIV	5,282	0	31	0	491	3,804	0	130	691	135
BRANDEIS UNIV	4,476	0	276	0	413	1,589	0	0	2,160	38

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MASSACHUSETTS										
BRIDGEWATER STATE COLLEGE	31	0	0	0	0	4	0	0	27	0
CLARK UNIV	480	0	23	0	28	225	48	0	156	0
COL OF THE HOLY CROSS	49	0	0	0	0	0	0	25	24	0
EMERSON COL	4	0	0	0	0	4	0	0	0	0
EMMANUEL COL	328	0	0	0	328	0	0	0	0	0
FORSYTH SCH DENT HYGNSTS	50	0	0	0	0	0	0	50	0	0
GORDON COL	2	0	0	0	0	2	0	0	0	0
HAMPSHIRE COLLEGE	56	0	0	0	0	0	0	0	0	56
HARVARD UNIV	37,546	0	1,785	174	2,998	20,562	55	6,002	5,128	842
LOWELL TECHNOLOGICAL INST	697	0	0	0	525	0	0	172	0	0
MASS COL OF OPTOMETRY	3	0	0	0	0	3	0	0	0	0
MASS COL OF PHARMACY	3	0	0	0	0	3	0	0	0	0
MASS INST OF TECH	92,309	0	7,563	109	44,086	7,477	656	26,013	5,664	741
MASSASOIT COMM COL	2	0	0	0	0	0	2	0	0	0
MT HOLYOKE COL	10	0	0	0	0	10	0	0	0	0
NORTHEASTERN UNIV	1,855	0	66	0	1,131	255	0	148	142	113
REGIS COL	193	0	0	0	193	0	0	0	0	0
SMITH COL	56	0	27	0	0	29	0	0	0	0
SOUTHEASTERN MASS UNIV	11	0	0	0	11	0	0	0	0	0
SUFFOLK UNIV	24	0	0	0	4	0	0	20	0	0
TUFTS UNIV	4,354	0	390	0	393	2,826	0	60	339	346
UNIV OF MASSACHUSETTS	4,807	784	225	0	473	1,441	308	418	1,158	0
WELLESLEY COL	93	0	0	0	0	93	0	0	0	0
WENTWORTH INST	779	0	0	0	779	0	0	0	0	0
WHEATON COL	2	0	0	0	0	2	0	0	0	0
WILLIAMS COL	211	0	0	0	19	59	0	0	74	59
WOODS HOLE OCEAN INST	9,873	0	634	0	5,444	85	394	25	3,262	29
WORCESTER POLYTECH INST	364	0	25	0	86	103	0	89	61	0
TOTAL MASSACHUSETTS	165,906	784	11,100	283	58,327	39,031	1,463	33,180	19,079	2,659
MICHIGAN										
ALBION COL	14	0	0	0	0	14	0	0	0	0
ALMA COL	6	0	0	0	0	6	0	0	0	0
ANDREWS UNIV	12	0	0	0	0	12	0	0	0	0
CALVIN COL	20	0	0	0	20	0	0	0	0	0
EASTERN MICHIGAN UNIV	95	0	0	0	0	95	0	0	0	0
HOPE COL	38	0	0	0	0	6	0	0	32	0
KALAMAZOO COL	22	0	0	0	0	0	0	0	22	0
MERCY COL OF DETROIT	16	0	0	0	0	16	0	0	0	0
MERRILL-PALMER INST	10	0	0	0	0	10	0	0	0	0
MICH COL OSTEOPATHIC MED	39	0	0	0	0	0	0	0	39	0

SUFFOLK UNIV	24	0	0	0	4	0	0	20	0	0
TUFTS UNIV	4,354	0	390	0	393	2,826	0	60	339	346
UNIV OF MASSACHUSETTS	4,807	784	225	0	473	1,441	308	418	1,158	0
WELLESLEY COL	93	0	0	0	0	93	0	0	0	0
WENTWORTH INST	779	0	0	0	779	0	0	0	0	0
WHEATON COL	2	0	0	0	0	2	0	0	0	0
WILLIAMS COL	211	0	0	0	19	59	0	0	74	59
WOODS HOLE OCEAN INST	9,873	0	634	0	5,444	85	394	25	3,262	29
WORCESTER POLYTECH INST	364	0	25	0	86	103	0	89	61	0
TOTAL MASSACHUSETTS	165,906	784	11,100	283	58,327	39,031	1,463	33,180	19,079	2,659
MICHIGAN										
ALBION COL	14	0	0	0	0	14	0	0	0	0
ALMA COL	6	0	0	0	0	6	0	0	0	0
ANDREWS UNIV	12	0	0	0	0	12	0	0	0	0
CALVIN COL	20	0	0	0	20	0	0	0	0	0
EASTERN MICHIGAN UNIV	95	0	0	0	0	95	0	0	0	0
HOPE COL	38	0	0	0	0	6	0	0	32	0
KALAMAZOO COL	22	0	0	0	0	0	0	0	22	0
MERCY COL OF DETROIT	16	0	0	0	0	16	0	0	0	0
MERRILL-PALMER INST	10	0	0	0	0	10	0	0	0	0
MICH COL OSTEOPATHIC MED	39	0	0	0	0	0	0	0	39	0
MICH TECHNOLOGICAL UNIV	334	26	110	0	78	0	47	0	73	0
MICHIGAN STATE UNIV	10,530	1,598	1,957	0	382	3,051	220	47	2,973	302
OAKLAND UNIV	391	0	52	0	0	292	0	0	47	0
SIENA HEIGHTS COL	6	0	0	0	0	6	0	0	0	0
UNIV OF DETROIT	210	0	0	0	79	86	0	15	30	0
UNIV OF MICHIGAN	36,558	46	2,458	0	7,710	13,483	250	5,505	5,277	1,829
WAYNE STATE UNIV	4,261	0	140	0	413	2,688	0	66	599	355
WESTERN MICH UNIV	355	0	9	0	75	195	0	0	76	0
TOTAL MICHIGAN	52,917	1,670	4,726	0	8,757	19,960	517	5,633	9,168	2,486
MINNESOTA										
CARLETON COL	15	0	0	0	0	0	0	0	15	0
HAMLINE UNIV	99	0	0	0	0	0	0	0	99	0
MACALESTER COL	28	0	0	0	0	28	0	0	0	0
MANKATO STATE COL	6	0	0	0	0	6	0	0	0	0
MOORHEAD STATE COL	35	0	0	0	0	0	0	0	35	0
NORTH CENTRAL BIBLE COL	62	0	0	0	0	62	0	0	0	0
ST OLAF COL	38	0	0	0	0	12	0	0	26	0
UNIV OF MINNESOTA	24,719	1,675	1,658	0	2,508	13,754	828	1,476	2,266	554
WINONA STATE COL	10	0	0	0	0	0	10	0	0	0
TOTAL MINNESOTA	25,012	1,675	1,658	0	2,508	13,862	838	1,476	2,441	554
MISSISSIPPI										
ALCORN AGR & MECH COL	22	22	0	0	0	0	0	0	0	0
MARY HOLMES COLLEGE	130	0	0	0	0	0	0	0	0	130
MISSISSIPPI STATE UNIV	3,142	1,960	0	0	397	72	122	394	0	197
UNIV OF MISSISSIPPI	2,935	17	14	85	170	2,307	0	22	320	0
TOTAL MISSISSIPPI	6,229	1,999	14	85	567	2,379	122	416	320	327
MISSOURI										
KANSAS CITY COL OF OSTEOP	1	0	0	0	0	1	0	0	0	0
KIRKSVILLE COL OF OSTEOP	43	0	0	0	0	43	0	0	0	0

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MISSOURI										
LINCOLN UNIV	59	54	0	0	0	5	0	0	0	0
SOUTHWEST MO STATE COL	24	0	0	0	0	8	16	0	0	0
ST LOUIS COL OF PHARMACY	4	0	0	0	0	4	0	0	0	0
ST LOUIS JR COLLEGE DIST	11	0	0	0	0	11	0	0	0	0
ST LOUIS UNIV	3,670	0	0	0	341	2,550	0	129	390	260
UNIV OF MISSOURI COLUMBIA	6,900	1,695	39	5	1,145	2,812	149	173	854	28
UNIV OF MISSOURI KAN CITY	180	0	0	0	0	155	0	25	0	0
UNIV OF MISSOURI ROLLA	575	0	58	0	71	0	47	42	357	0
UNIV OF MISSOURI ST LOUIS	58	0	0	0	29	5	0	0	24	0
WASHINGTON UNIV	15,170	0	352	0	1,877	11,135	0	686	1,120	0
TOTAL MISSOURI	26,695	1,749	449	5	3,463	16,729	212	1,055	2,745	288
MONTANA										
MONTANA COL MINERAL SCI	16	0	0	0	0	0	16	0	0	0
MONTANA STATE UNIV	1,842	785	31	140	40	132	408	0	306	0
UNIV OF MONTANA	646	95	0	0	0	292	0	0	259	0
TOTAL MONTANA	2,504	880	31	140	40	424	424	0	565	0
NEBRASKA										
CONCORDIA TCHRS COL	7	0	0	0	0	7	0	0	0	0
CREIGHTON UNIV	419	0	0	0	0	393	0	0	26	0
DANA COL	27	0	0	0	0	0	0	0	27	0
HASTINGS COL	19	0	0	0	0	19	0	0	0	0
U OF NEB MED CTR AT OMAHA	1,070	0	0	0	0	1,070	0	0	0	0
UNIV OF NEBRASKA CEN SYS*	193	0	0	0	0	0	0	0	0	193
UNIV OF NEBRASKA-LINCOLN	2,049	1,180	66	0	170	69	111	20	433	0
UNIV OF NEBRASKA-OMAHA	1,576	0	0	0	0	1,576	0	0	0	0
TOTAL NEBRASKA	5,360	1,180	66	0	170	3,134	111	20	486	193
NEVADA										
DESERT RESEARCH INSTITUTE	219	0	0	0	0	0	0	0	219	0
UNIV OF NEV RENO CAMPUS	2,582	465	180	0	475	262	837	223	140	0
UNIV OF NEVADA LAS VEGAS	62	0	62	0	0	0	0	0	0	0
TOTAL NEVADA	2,863	465	242	0	475	262	837	223	359	0
NEW HAMPSHIRE										
DARTMOUTH COL	3,486	0	36	0	305	2,579	46	178	342	0
FRANKLIN PIERCE COL	70	0	0	0	70	0	0	0	0	0
UNIV OF N H DURHAM	3,085	551	12	0	115	242	147	1,301	717	0
TOTAL NEW HAMPSHIRE	6,641	551	48	0	490	2,821	193	1,479	1,059	0
NEW JERSEY										
FAIRLEIGH DICKINSON UNIV	24	0	0	0	0	16	0	0	8	0
JERSEY CITY STATE COL	30	0	0	0	0	30	0	0	0	0
MONMOUTH COL	18	0	0	0	18	0	0	0	0	0
N J COL OF MED&DENTISTRY	1,008	0	0	0	0	991	0	0	17	0
NEWARK COL OF ENGINEERING	328	0	0	0	52	0	19	70	39	148
PRINCETON UNIV	14,487	0	2,631	19	3,063	2,173	0	3,933	2,646	22
RIDER COL	21	0	0	0	0	0	0	0	21	0

TOTAL MONTANA	2,504	880	31	140	40	424	424	0	585	0
NEBRASKA										
CONCORDIA TCHRS COL	7	0	0	0	0	7	0	0	0	0
CREIGHTON UNIV	419	0	0	0	0	393	0	0	26	0
DANA COL	27	0	0	0	0	0	0	0	27	0
HASTINGS COL	19	0	0	0	0	19	0	0	0	0
U OF NEB MED CTR AT OMAHA	1,070	0	0	0	0	1,070	0	0	0	0
UNIV OF NEBRASKA CEN SYS	193	0	0	0	0	0	0	0	0	193
UNIV OF NEBRASKA-LINCOLN	2,049	1,180	66	0	170	69	111	20	433	0
UNIV OF NEBRASKA-OMAHA	1,576	0	0	0	0	1,576	0	0	0	0
TOTAL NEBRASKA	5,360	1,180	66	0	170	3,134	111	20	486	193
NEVADA										
DESERT RESEARCH INSTITUTE	219	0	0	0	0	0	0	0	219	0
UNIV OF NEV RENO CAMPUS	2,582	465	180	0	475	262	837	223	140	0
UNIV OF NEVADA LAS VEGAS	62	0	62	0	0	0	0	0	0	0
TOTAL NEVADA	2,863	465	242	0	475	262	837	223	359	0
NEW HAMPSHIRE										
DARTMOUTH COL	3,486	0	36	0	305	2,579	46	178	342	0
FRANKLIN PIERCE COL	70	0	0	0	70	0	0	0	0	0
UNIV OF N H DURHAM	3,085	551	12	0	115	242	147	1,301	717	0
TOTAL NEW HAMPSHIRE	6,641	551	48	0	490	2,821	193	1,479	1,059	0
NEW JERSEY										
FAIRLEIGH DICKINSON UNIV	24	0	0	0	0	16	0	0	8	0
JERSEY CITY STATE COL	30	0	0	0	0	30	0	0	0	0
MONMOUTH COL	18	0	0	0	18	0	0	0	0	0
N J COL OF MED&DENTISTRY	1,008	0	0	0	0	991	0	0	17	0
NEWARK COL OF ENGINEERING	328	0	0	0	52	0	19	70	39	148
PRINCETON UNIV	14,487	0	2,631	19	3,063	2,173	0	3,933	2,646	22
RIDER COL	21	0	0	0	0	0	0	0	21	0
RUTGERS UNIVERSITY	7,527	825	109	0	401	4,414	241	129	1,175	233
SETON HALL UNIV	26	0	0	0	12	12	2	0	0	0
STEVENS INST OF TECH	2,369	0	212	0	1,235	58	0	45	819	0
TOTAL NEW JERSEY	25,838	825	2,952	19	4,781	7,694	262	4,177	4,725	403
NEW MEXICO										
EASTERN NEW MEXICO UNIV	203	0	0	0	0	0	27	0	1	175
NEW MEX INST MINING & TEC	993	0	0	0	533	0	0	18	442	0
NEW MEXICO HIGHLANDS UNIV	9	0	9	0	0	0	0	0	0	0
NEW MEXICO STATE UNIV	6,321	715	0	30	2,515	345	418	2,101	159	38
UNIV OF ALBUQUERQUE	18	0	0	0	14	4	0	0	0	0
UNIV OF NEW MEXICO	4,726	0	0	20	1,845	1,410	4	574	233	640
TOTAL NEW MEXICO	12,270	715	9	50	4,907	1,759	449	2,693	835	853
NEW YORK										
ADELPHI UNIV	109	0	0	0	0	35	0	0	74	0
ALBANY COL OF PHARMACY	12	0	0	0	0	12	0	0	0	0
ALBANY MEDICAL COL	3,006	0	11	0	0	1,659	0	236	1	1,099

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW YORK										
ALFRED UNIV	8	0	0	0	0	8	0	0	0	0
BANK STREET COL OF ED	23	0	0	0	0	0	0	0	0	23
BARNARD COL	147	0	0	0	0	0	77	0	0	70
CLARKSON COL OF TECH	809	0	134	0	63	248	110	2	252	0
COL OF PHARMACEUTICAL SCI	8	0	3	0	0	5	0	0	0	0
COLGATE UNIV	64	0	0	0	0	5	0	0	59	0
COLUMBIA UNIV †	34,046	20	4,639	46	7,274	13,840	120	1,866	5,819	422
COLUMBIA UNIV CEN SYS*	129	0	0	0	0	0	0	0	0	129
COOPER UNION	43	0	0	0	0	10	0	0	33	0
CORNELL UNIV	23,787	1,895	1,653	0	3,201	9,444	177	1,270	5,973	174
CUNY BRONX COMM COL	54	0	0	0	54	0	0	0	0	0
CUNY BROOKLYN COL	77	0	29	0	0	0	0	0	48	0
CUNY CENTRAL SYSTEM*	1,476	0	5	0	58	1,311	0	0	102	0
CUNY CITY COL	789	0	51	0	118	87	0	179	354	0
CUNY HUNTER COL	205	0	17	0	53	0	0	0	135	0
CUNY LEHMAN COL	14	0	0	0	0	0	0	0	14	0
CUNY MT SINAI SCH OF MED	7,128	0	35	0	65	6,889	0	0	139	0
CUNY QUEENS COL	184	0	40	0	0	0	2	0	142	0
D'YOUVILLE COL	5	0	0	0	0	5	0	0	0	0
DOMINICAN COL OF BLAUVELT	8	0	0	0	0	0	0	0	8	0
DOWLING COLLEGE	7	0	0	0	0	0	0	4	3	0
DUDLEY OBSERVATORY	678	0	0	0	0	0	0	678	0	0
FORDHAM UNIV	322	0	25	0	30	121	0	91	55	0
HAMILTON COL	14	0	0	0	0	9	0	5	0	0
HOFSTRA UNIV	119	0	0	0	0	0	45	0	74	0
LONG ISLAND UNIVERSITY	230	0	0	0	0	10	0	46	6	168
MANHATTAN COL	110	0	0	0	13	78	0	0	19	0
N Y INST OF TECHNOLOGY	515	0	0	0	0	515	0	0	0	0
NEW SCHOOL FOR SOCIAL RES	109	0	0	0	0	106	0	0	3	0
NEW YORK MEDICAL COL	3,580	0	0	0	44	3,473	0	0	63	0
NEW YORK UNIV	21,097	25	1,658	37	2,434	14,368	64	701	1,258	552
POLYTECHNIC INST OF BKLYN	2,864	0	32	0	1,746	394	0	124	420	148
RENSSELAER POLYTECH INST	4,934	0	990	0	1,279	213	1,016	818	592	26
ROCHESTER INST OF TECH	165	0	0	0	20	0	145	0	0	0
ROCKEFELLER UNIV	4,640	0	202	0	55	4,166	0	0	217	0
RUSSELL SAGE COL	5	0	0	0	0	0	0	0	5	0
ST JOHNS UNIV	79	0	0	0	18	61	0	0	0	0
ST LAWRENCE UNIV	67	0	0	0	0	60	0	0	7	0
SUNY A&T COL ALFRED	32	0	0	0	0	0	0	32	0	0
SUNY CENTRAL SYSTEM*	165	0	0	35	0	27	0	0	0	103
SUNY COL BROCKPORT	31	0	0	0	0	6	0	0	25	0
SUNY COL BUFFALO	36	0	0	0	0	30	0	0	6	0
SUNY COL CORTLAND	34	0	0	0	0	34	0	0	0	0
SUNY COL FORESTRY SYR U	279	93	0	0	0	80	21	0	85	0
SUNY COL FREDONIA	74	0	0	0	0	57	0	0	17	0
SUNY COL NEW PALTZ	10	0	0	0	0	10	0	0	0	0
SUNY COL OSWEGO	22	0	0	0	0	22	0	0	0	0
SUNY COL PLATTSBURGH	22	0	0	0	0	22	0	0	0	0
SUNY DOWNSTATE MED CTR	3,661	0	0	0	131	3,442	0	4	84	0

DOWLING COLLEGE	1	0	0	0	0	0	0	4	3	0
DUDLEY OBSERVATORY	678	0	0	0	0	0	0	678	0	0
FORDHAM UNIV	322	0	25	0	30	121	0	91	55	0
HAMILTON COL	14	0	0	0	0	9	0	5	0	0
HOFSTRA UNIV	119	0	0	0	0	0	45	0	74	0
LONG ISLAND UNIVERSITY	230	0	0	0	0	10	0	46	6	168
MANHATTAN COL	110	0	0	0	13	78	0	0	19	0
N Y INST OF TECHNOLOGY	515	0	0	0	0	515	0	0	0	0
NEW SCHOOL FOR SOCIAL RES	109	0	0	0	0	106	0	0	3	0
NEW YORK MEDICAL COL	3,580	0	0	0	44	3,473	0	0	63	0
NEW YORK UNIV	21,097	25	1,658	37	2,434	14,368	64	701	1,258	552
POLYTECHNIC INST OF BKLYN	2,864	0	32	0	1,746	394	0	124	420	148
RENSSELAER POLYTECH INST	4,934	0	990	0	1,279	213	1,016	818	592	26
ROCHESTER INST OF TECH	165	0	0	0	20	0	145	0	0	0
ROCKEFELLER UNIV	4,640	0	202	0	55	4,166	0	0	217	0
RUSSELL SAGE COL	5	0	0	0	0	0	0	0	5	0
ST JOHNS UNIV	79	0	0	0	18	61	0	0	0	0
ST LAWRENCE UNIV	67	0	0	0	0	60	0	0	7	0
SUNY A&T COL ALFRED	32	0	0	0	0	0	0	32	0	0
SUNY CENTRAL SYSTEM*	165	0	0	35	0	27	0	0	0	103
SUNY COL BROCKPORT	31	0	0	0	0	6	0	0	25	0
SUNY COL BUFFALO	36	0	0	0	0	30	0	0	6	0
SUNY COL CORTLAND	34	0	0	0	0	34	0	0	0	0
SUNY COL FORESTRY SYR U	279	93	0	0	0	80	21	0	85	0
SUNY COL FREDONIA	74	0	0	0	0	57	0	0	17	0
SUNY COL NEW PALTZ	10	0	0	0	0	10	0	0	0	0
SUNY COL OSWEGO	22	0	0	0	0	22	0	0	0	0
SUNY COL PLATTSBURGH	22	0	0	0	0	22	0	0	0	0
SUNY DOWNSTATE MED CTR	3,661	0	0	0	131	3,442	0	4	84	0
SUNY ST U ALBANY	2,848	0	39	0	1,089	825	74	52	769	0
SUNY ST U BINGHAMTON	669	0	0	0	0	189	0	0	480	0
SUNY ST U BUFFALO	6,844	0	204	0	366	5,209	98	157	707	103
SUNY ST U STONY BROOK	5,418	0	849	0	51	649	0	354	3,515	0
SUNY UPSTATE MED CTR	2,004	0	8	0	49	1,887	0	0	60	0
SYRACUSE UNIV	5,120	17	208	0	1,228	1,992	144	446	934	151
TEACHERS COL	706	0	0	0	0	658	0	0	48	0
UNION COL	102	0	0	0	0	33	18	0	51	0
UNIV OF ROCHESTER	15,951	0	4,603	0	884	7,165	0	233	2,950	116
VASSAR COL	13	0	0	0	0	13	0	0	0	0
WEBB INST OF NAVAL ARCH	27	0	0	0	0	0	0	0	27	0
YESHIVA UNIV	13,567	0	135	0	757	10,603	75	0	1,747	250
TOTAL NEW YORK	169,301	2,050	15,570	118	21,080	90,085	2,186	7,298	27,380	3,534
NORTH CAROLINA										
CENTRAL PIEDMONT COMM COL	49	0	0	0	0	49	0	0	0	0
DUKE UNIV	16,166	2	797	15	3,283	10,083	19	149	1,802	16
EAST CAROLINA UNIV	31	0	0	0	0	11	0	0	20	0
ELON COL	111	0	0	0	0	111	0	0	0	0
GASTON COL	9	0	0	0	0	9	0	0	0	0
N C AGRIC & TECH ST UNIV	297	46	0	0	0	36	0	39	0	176
N C STATE UNIV AT RALEIGH	7,056	2,472	339	14	946	1,639	225	621	406	394
N C WESLEYAN COL	10	0	0	0	0	10	0	0	0	0
NO CAROLINA CENTRAL UNIV	40	0	0	0	0	40	0	0	0	0
SHAW UNIV	118	0	0	0	0	28	0	0	0	90
ST ANDREWS PRESBY COL	46	0	0	0	0	46	0	0	0	0
UNIV OF N C AT CHAP HILL	10,933	0	462	0	1,186	7,329	44	79	1,293	540
UNIV OF N C AT GREENSBORO	157	0	0	0	0	126	0	0	31	0
UNIV OF N C CEN SYS*	24	0	0	0	24	0	0	0	0	0
WAKE FOREST UNIV	1,781	0	59	0	0	1,722	0	0	0	0

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NORTH CAROLINA										
WESTERN CAROLINA UNIV	100	0	0	100	0	0	0	0	0	0
TOTAL NORTH CAROLINA	36,928	2,520	1,657	129	5,439	21,239	288	888	3,552	1,216
NORTH DAKOTA										
MINOT ST COL	34	0	0	0	0	34	0	0	0	0
NORTH DAKOTA STATE UNIV	1,260	788	0	121	189	62	85	0	15	0
UNIV OF NORTH DAKOTA	1,170	0	46	0	271	782	16	0	55	0
TOTAL NORTH DAKOTA	2,464	788	46	121	460	878	101	0	70	0
OHIO										
ANTIOCH COL	118	0	0	0	68	19	0	0	31	0
BOWLING GREEN STATE UNIV	182	0	0	0	0	94	0	11	67	10
CASE WESTERN RESERVE UNIV	13,743	0	991	0	2,523	7,949	110	696	1,408	66
CENTRAL STATE UNIV	285	0	0	0	0	0	0	0	0	285
CLEVELAND STATE UNIV	97	0	0	0	30	0	4	35	28	0
COL OF WOOSTER	16	0	0	0	0	16	0	0	0	0
DENISON UNIV	6	0	0	0	0	6	0	0	0	0
HEIDELBERG COL	9	0	0	0	0	0	9	0	0	0
HIRAM COL	10	0	0	0	0	10	0	0	0	0
JOHN CARROLL UNIV	108	0	0	0	66	0	0	42	0	0
KENT STATE UNIV	932	0	40	0	247	63	0	0	441	141
KENYON COL	47	0	0	0	0	27	0	0	20	0
MED COL OF OHIO AT TOLEDO	430	0	0	0	0	390	0	0	40	0
MIAMI UNIV	314	0	0	0	186	43	0	0	85	0
OBERLIN COL	111	0	0	0	0	58	0	0	53	0
OHIO NORTHERN UNIV	3	0	0	0	0	3	0	0	0	0
OHIO STATE UNIV	16,159	1,851	758	0	3,336	6,072	466	667	2,005	1,004
OHIO UNIV	385	0	18	0	247	1	0	0	86	33
OHIO WESLEYAN UNIV	16	0	0	0	0	16	0	0	0	0
UNIV OF AKRON	198	0	0	0	49	18	0	0	131	0
UNIV OF CINCINNATI	5,145	0	165	0	1,599	2,981	57	202	141	0
UNIV OF DAYTON	3,956	0	9	0	3,830	87	0	0	30	0
UNIV OF TOLEDO	224	0	45	0	11	40	0	20	108	0
WITTENBERG UNIV	5	0	0	0	5	0	0	0	0	0
WRIGHT STATE UNIV	556	0	0	0	407	125	0	0	24	0
XAVIER UNIV	7	0	0	0	0	7	0	0	0	0
YOUNGSTOWN STATE UNIV	22	0	0	0	0	0	0	0	22	0
TOTAL OHIO	43,084	1,851	2,026	0	12,604	18,025	646	1,673	4,720	1,539
OKLAHOMA										
EAST CENTRAL STATE COL	83	0	0	0	0	83	0	0	0	0
LANGSTON UNIV	16	16	0	0	0	0	0	0	0	0

UNIV OF CINCINNATI	3,149	0	104	0	3,830	87	0	0	30	0
UNIV OF DAYTON	3,956	0	9	0	11	40	0	20	108	0
UNIV OF TOLEDO	224	0	45	0	5	0	0	0	0	0
WITTENBERG UNIV	5	0	0	0	407	125	0	0	24	0
WRIGHT STATE UNIV	556	0	0	0	0	7	0	0	0	0
XAVIER UNIV	7	0	0	0	0	0	0	0	22	0
YOUNGSTOWN STATE UNIV	22	0	0	0	12,604	18,025	646	1,673	4,720	1,539
TOTAL OHIO	43,084	1,851	2,026	0						
OKLAHOMA										
EAST CENTRAL STATE COL	83	0	0	0	0	83	0	0	0	0
LANGSTON UNIV	16	16	0	0	0	0	0	0	0	0
OKLAHOMA BAPTIST UNIV	14	0	0	0	0	14	0	0	0	0
OKLAHOMA CHRISTIAN COL	10	0	0	0	0	10	0	0	0	0
OKLAHOMA CITY UNIV	19	0	0	0	0	19	0	0	0	0
OKLAHOMA STATE UNIV	3,953	1,234	42	0	962	609	190	700	208	8
SOUTHWESTERN STATE COL	27	0	0	0	0	2	0	0	25	0
UNIV OF OKLAHOMA	3,413	0	88	43	607	1,886	34	106	302	347
UNIV OF TULSA	3	0	0	0	0	0	3	0	0	0
TOTAL OKLAHOMA	7,538	1,250	130	43	1,569	2,623	227	806	535	355
OREGON										
LINFIELD COL	62	0	0	0	0	0	0	51	11	0
OREGON STATE UNIV	8,471	1,167	468	0	1,292	1,722	629	172	2,694	327
PACIFIC UNIV	64	0	0	0	0	64	0	0	0	0
PORTLAND STATE UNIVERSITY	83	0	0	0	0	24	0	0	59	0
REED COL	187	0	0	0	73	114	0	0	0	0
SOUTHERN OREGON COL	62	0	0	0	17	45	0	0	0	0
U OREGON DENTAL SCHOOL	144	0	0	0	0	144	0	0	0	0
U OREGON MEDICAL SCHOOL	3,309	0	112	0	0	3,197	0	0	0	0
UNIV OF OREGON AT EUGENE	6,782	6	397	0	816	2,047	10	277	2,776	453
UNIV OF PORTLAND	25	0	0	0	0	25	0	0	0	0
TOTAL OREGON	19,189	1,173	977	0	2,198	7,382	639	500	5,540	780
PENNSYLVANIA										
BRYN MAWR COL	169	0	0	0	0	134	0	14	21	0
BUCKNELL UNIV	82	0	0	0	0	62	0	0	20	0
CARNEGIE MELLON UNIV	6,216	0	1,623	0	2,440	541	127	259	1,058	168
DREXEL UNIVERSITY	1,881	0	45	0	797	690	0	115	234	0
DUQUESNE UNIV	112	0	0	0	0	104	8	0	0	0
FRANKLIN AND MARSHALL COL	43	0	0	0	0	10	7	0	26	0

TABLE C-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
PENNSYLVANIA										
GETTYSBURG COL	5	0	0	0	0	5	0	0	0	0
HAHNEMANN MED COL & HOSP	1,148	0	0	0	260	888	0	0	0	0
HAVERFORD COL	282	0	0	0	0	252	0	30	0	0
LEHIGH UNIV	2,976	0	94	0	1,003	141	95	264	1,379	0
LINCOLN UNIV	20	0	0	0	0	20	0	0	0	0
MARY IMMACULATE SEM & COL	2	0	0	0	0	2	0	0	0	0
MEDICAL COLLEGE OF PA	574	0	0	0	0	449	0	0	125	0
MESSIAH COL	1	0	0	0	0	1	0	0	0	0
MILLERSVILLE STATE COL	2	0	0	0	0	2	0	0	0	0
PA COL OF PODIATRIC MED	4	0	0	0	0	4	0	0	0	0
PENNSYLVANIA COL OPTOMET	1	0	0	0	0	1	0	0	0	0
PENNSYLVANIA STATE UNIV	11,078	2,014	461	0	992	3,156	845	1,429	1,771	410
PHILA COL OF PHARM & SCI	71	0	0	0	0	71	0	0	0	0
PHILA COL OF TEXT & SCI	60	60	0	0	0	0	0	0	0	0
PMC COLLEGES	30	0	0	0	0	0	0	0	30	0
SLIPPERY ROCK STATE COL	13	0	0	0	0	0	0	0	13	0
SUSQUEHANNA UNIV	15	0	0	0	0	11	0	0	4	0
SWARTHMORE COL	203	0	0	0	0	59	0	0	144	0
TEMPLE UNIV	5,610	0	106	0	132	4,704	0	221	280	167
THOS JEFFERSON UNIV HOSP	2,262	0	59	0	229	1,959	0	0	15	0
UNIV OF PENNSYLVANIA	22,134	0	1,667	0	2,639	14,137	52	259	2,549	831
UNIV OF PITTSBURGH	12,036	0	453	0	1,150	7,211	212	597	1,684	729
VILLANOVA UNIV	41	0	0	0	0	41	0	0	0	0
WILKES COL	14	0	0	0	0	14	0	0	0	0
TOTAL PENNSYLVANIA	67,085	2,074	4,508	0	9,642	34,669	1,346	3,188	9,353	2,305
RHODE ISLAND										
BROWN UNIV	5,756	0	633	0	1,214	2,273	33	269	1,334	0
PROVIDENCE COL	59	0	0	0	0	41	0	0	0	18
RHODE ISLAND COL	20	0	0	0	0	20	0	0	0	0
UNIV OF RHODE ISLAND	3,241	466	61	0	1,076	322	144	0	1,172	0
TOTAL RHODE ISLAND	9,076	466	694	0	2,290	2,656	177	269	2,506	18
SOUTH CAROLINA										
CLEMSON UNIV	2,562	1,389	41	0	0	296	184	130	522	0
FURMAN UNIV	1	0	0	0	0	1	0	0	0	0
MED UNIV OF S CAROLINA	1,341	0	0	0	468	873	0	0	0	0

THOS JEFFERSON UNIV HOSP	2,262	0	59	0	229	1,959	0	0	15	0
UNIV OF PENNSYLVANIA	22,134	0	1,667	0	2,639	14,137	52	259	2,549	831
UNIV OF PITTSBURGH	12,036	0	453	0	1,150	7,211	212	597	1,684	729
VILLANOVA UNIV	41	0	0	0	0	41	0	0	0	0
WILKES COL	14	0	0	0	0	14	0	0	0	0
TOTAL PENNSYLVANIA	67,085	2,074	4,508	0	9,642	34,669	1,346	3,188	9,353	2,305
RHODE ISLAND										
BROWN UNIV	5,756	0	633	0	1,214	2,273	33	269	1,334	0
PROVIDENCE COL	59	0	0	0	0	41	0	0	0	18
RHODE ISLAND COL	20	0	0	0	0	20	0	0	0	0
UNIV OF RHODE ISLAND	3,241	466	61	0	1,076	322	144	0	1,172	0
TOTAL RHODE ISLAND	9,076	466	694	0	2,290	2,656	177	269	2,506	18
SOUTH CAROLINA										
CLEMSON UNIV	2,562	1,389	41	0	0	296	184	130	522	0
FURMAN UNIV	1	0	0	0	0	1	0	0	0	0
MED UNIV OF S CAROLINA	1,341	0	0	0	468	873	0	0	0	0
SOUTH CAROLINA STATE COL	26	17	0	0	0	9	0	0	0	0
UNIV OF SOUTH CAROLINA	676	0	75	0	25	144	0	0	173	259
WOFFORD COL	19	0	0	0	0	19	0	0	0	0
TOTAL SOUTH CAROLINA	4,625	1,406	116	0	493	1,342	184	130	695	259
SOUTH DAKOTA										
AUGUSTANA COL	25	0	0	0	0	0	0	0	25	0
SOUTH DAK SCH MINES TECH	750	0	0	0	0	0	530	25	195	0
SOUTH DAKOTA STATE UNIV	1,691	908	6	0	0	27	598	32	120	0
UNIV OF SOUTH DAKOTA	388	29	31	0	12	231	0	0	85	0
TOTAL SOUTH DAKOTA	2,854	937	37	0	12	258	1,128	57	425	0
TENNESSEE										
CARSON-NEWMAN COL	32	0	0	0	0	32	0	0	0	0
FISK UNIV	73	0	0	0	0	73	0	0	0	0
GEORGE PEABODY COL TCHRS	744	0	0	0	0	656	0	0	0	88
MEHARRY MEDICAL COL	526	0	0	0	0	526	0	0	0	0
MEMPHIS STATE UNIV	239	0	0	90	0	34	53	5	29	28
SOUTHERN COL OF OPTOMETRY	8	0	0	0	0	8	0	0	0	0
TENNESSEE STATE UNIV	68	19	40	0	0	9	0	0	0	0
TENNESSEE TECHNOLOGL UNIV	124	0	0	0	0	0	0	109	15	0
U OF TENN MED UNITS MEMPH	2,347	0	62	0	15	2,270	0	0	0	0
UNIV OF TENN AT KNOXVILLE	6,045	1,644	1,540	0	1,314	620	114	462	351	0
UNIV OF TENN CEN SYS *	400	0	0	200	0	0	0	0	0	200
VANDERBILT UNIV	7,771	0	124	0	404	6,017	156	76	994	0
TOTAL TENNESSEE	18,377	1,663	1,766	290	1,733	10,245	323	652	1,389	316
TEXAS										
BAYLOR COL OF MEDICINE	9,319	0	21	0	0	8,856	0	357	0	85
BAYLOR UNIV	447	0	59	0	178	169	0	0	41	0
BISHOP COL	40	0	0	0	0	0	0	40	0	0
HOUSTON BAPTIST COL	136	0	0	0	0	96	0	40	0	0
LAMAR STATE COL OF TECH	38	0	0	0	0	12	0	8	18	0
M D ANDERSON HOSPITAL	5,124	0	65	0	70	4,735	0	135	119	0

TABLE C-11, CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
TEXAS										
NORTH TEXAS STATE UNIV	78	0	0	0	20	32	0	17	9	0
PRAIRIE VIEW A & M COL	73	22	0	0	0	0	0	51	0	0
RICE UNIV	5,171	0	752	0	795	672	0	1,948	1,004	0
SOUTHERN METHODIST UNIV	1,387	0	0	0	657	62	43	79	483	63
SOUTHWEST TEXAS UNIV	25	0	25	0	0	0	0	0	0	0
SOUTHWESTERN MEDICAL SCH	4,342	0	44	0	0	4,115	0	106	77	0
STEPHEN F AUSTIN ST UNIV	25	10	0	0	0	15	0	0	0	0
SUL ROSS STATE UNIV	17	0	0	0	0	0	0	0	17	0
TARRANT COUNTY JR COL	7	0	0	0	0	7	0	0	0	0
TEXAS A & M UNIV	7,560	2,629	1,005	0	1,880	538	167	659	682	0
TEXAS A&M UNIV CEN SYS*	652	0	0	25	0	0	139	0	0	488
TEXAS ARTS & INDUST UNIV	58	58	0	0	0	0	0	0	0	0
TEXAS CHRISTIAN UNIV	290	0	0	0	157	74	0	59	0	0
TEXAS SOUTHERN UNIV	31	0	0	0	0	10	0	21	0	0
TEXAS TECH UNIVERSITY	745	107	41	0	370	18	0	153	56	0
TEXAS WOMANS UNIV	44	0	0	0	0	0	0	44	0	0
TRINITY UNIV	66	0	0	0	0	51	0	0	15	0
U TEX DENT BRANCH HOUSTON	454	0	0	0	0	374	0	80	0	0
U TEX GRAD SCH BIOMED SCI	100	0	0	0	0	0	0	100	0	0
U TEX HOUSTON MED SCHOOL	31	0	0	0	0	31	0	0	0	0
U TEX MED BRNCH GALVESTON	2,638	0	0	0	52	2,318	0	56	212	0
U TEX SCH PUB HLTH HOUSTN	107	0	0	0	0	107	0	0	0	0
UNIV OF HOUSTON	1,644	0	200	0	227	176	0	956	53	32
UNIV OF ST THOMAS	5	0	5	0	0	0	0	0	0	0
UNIV OF TEXAS ARLINGTON	32	0	0	0	17	0	0	0	15	0
UNIV OF TEXAS AT AUSTIN	12,696	0	695	0	5,272	2,743	105	1,316	2,412	153
UNIV OF TEXAS AT DALLAS	3,711	0	66	0	128	0	0	2,888	629	0
UNIV OF TEXAS AT EL PASO	329	0	0	0	302	0	0	27	0	0
UNIV OF TEXAS CEN SYS*	472	0	99	0	0	336	37	0	0	0
UNIV OF TEXAS MEDICAL SCH	1,356	0	0	0	122	812	0	0	44	378
WEST TEXAS STATE UNIV	17	0	0	0	0	0	0	0	17	0
TOTAL TEXAS	59,267	2,826	3,077	25	10,247	26,359	491	9,140	5,903	1,199
UTAH										
BRIGHAM YOUNG UNIV	730	1	37	0	111	220	72	39	250	0
UNIV OF UTAH	13,287	0	1,057	4	2,898	6,446	864	160	1,461	397
UTAH STATE UNIV	4,501	687	69	0	1,171	329	783	88	871	503
WEBER STATE COL	19	0	0	0	0	19	0	0	0	0
TOTAL UTAH	18,537	688	1,163	4	4,180	7,014	1,719	287	2,582	900
VERMONT										
BENNINGTON COL	12	0	0	0	0	12	0	0	0	0
MIDDLEBURY COL	43	0	0	0	0	7	0	0	36	0
TRINITY COL	98	0	0	0	0	98	0	0	0	0
UNIV OF VERMONT	3,104	545	63	0	324	1,805	88	25	119	135
WINDHAM COL	10	0	0	0	0	6	0	0	4	0
TOTAL VERMONT	3,267	545	63	0	324	1,928	88	25	159	135
VIRGINIA										
COL OF WILLIAM AND MARY	752	0	0	0	0	64	0	194	494	0
HAMPTON INST	115	0	0	0	0	0	0	115	0	0
HOLLINS COL	85	0	0	0	0	85	0	0	0	0
MARY BALDWIN COL	2	0	0	0	0	2	0	0	0	0
NORFOLK STATE COL	21	0	0	0	0	9	0	0	0	12
[illegible]	608	0	5	0	18	10	3	456	16	0

NORFOLK STATE COL	21	0	0	0	0	0	0	0	0	0
OLD DOMINION UNIV	508	0	5	0	18	10	3	456	16	0
U TEX HLTH SCI CTR DALLAS	1,356	0	0	0	122	812	0	0	44	378
U TEX MED BRNCH GALVESTON	1,644	0	200	0	227	176	0	956	53	32
U TEX SCH PUB HLTH HOUSTN	107	0	0	0	0	107	0	0	0	0
UNIV OF HOUSTON	1,644	0	200	0	227	176	0	956	53	32
UNIV OF ST THOMAS	5	0	5	0	0	0	0	0	0	0
UNIV OF TEXAS ARLINGTON	32	0	0	0	17	0	0	0	15	0
UNIV OF TEXAS AT AUSTIN	12,696	0	695	0	5,272	2,743	105	1,316	2,412	153
UNIV OF TEXAS AT DALLAS	3,711	0	66	0	128	0	0	2,888	629	0
UNIV OF TEXAS AT EL PASO	329	0	0	0	302	0	0	27	0	0
UNIV OF TEXAS CEN SYS*	472	0	99	0	0	336	37	0	0	0
UNIV OF TEXAS MEDICAL SCH	1,356	0	0	0	122	812	0	0	44	378
WEST TEXAS STATE UNIV	17	0	0	0	0	0	0	0	17	0
TOTAL TEXAS	59,267	2,826	3,077	25	10,247	26,359	491	9,140	5,903	1,199
UTAH										
BRIGHAM YOUNG UNIV	730	1	37	0	111	220	72	39	250	0
UNIV OF UTAH	13,287	0	1,057	4	2,898	6,446	864	160	1,461	397
UTAH STATE UNIV	4,501	687	69	0	1,171	329	783	88	871	503
WEBER STATE COL	19	0	0	0	0	19	0	0	0	0
TOTAL UTAH	18,537	688	1,163	4	4,180	7,014	1,719	287	2,582	900
VERMONT										
BENNINGTON COL	12	0	0	0	0	12	0	0	0	0
MIDDLEBURY COL	43	0	0	0	0	7	0	0	36	0
TRINITY COL	98	0	0	0	0	98	0	0	0	0
UNIV OF VERMONT	3,104	545	63	0	324	1,805	88	25	119	135
WINDHAM COL	10	0	0	0	0	6	0	0	4	0
TOTAL VERMONT	3,267	545	63	0	324	1,928	88	25	159	135
VIRGINIA										
COL OF WILLIAM AND MARY	752	0	0	0	0	64	0	194	494	0
HAMPTON INST	115	0	0	0	0	0	0	115	0	0
HOLLINS COL	85	0	0	0	0	85	0	0	0	0
MARY BALDWIN COL	2	0	0	0	0	2	0	0	0	0
NORFOLK STATE COL	21	0	0	0	0	9	0	0	0	12
OLD DOMINION UNIV	508	0	5	0	18	10	3	456	16	0
RADFORD COL	6	0	0	0	0	5	0	0	1	0
ROANOKE COL	40	0	17	0	0	0	0	0	23	0
UNIV OF RICHMOND	10	0	0	0	0	0	0	10	0	0
UNIV OF VIRGINIA	6,516	6	305	0	1,162	3,200	96	939	808	0
VA COMMONWEALTH UNIV	3,507	0	54	0	177	2,711	0	505	60	0
VIRGINIA MILITARY INST	41	0	0	20	20	1	0	0	0	0
VIRGINIA POLYTECHNIC INST	4,082	1,624	150	0	199	408	528	281	892	0
VIRGINIA STATE COL	46	18	0	0	0	0	0	0	0	28
WASHINGTON & LEE UNIV	34	0	0	0	0	0	0	0	34	0
TOTAL VIRGINIA	15,765	1,648	531	20	1,576	6,495	627	2,500	2,328	40
WASHINGTON										
EASTERN WASH STATE COL	8	0	0	0	0	8	0	0	0	0
GRAYS HARBOR COL	4	0	0	0	0	0	4	0	0	0
SEATTLE COMM COL	150	0	0	0	0	150	0	0	0	0
UNIV OF PUGET SOUND	162	0	0	0	0	162	0	0	0	0
UNIV OF WASHINGTON	29,687	207	2,390	0	2,800	17,313	572	519	5,738	148
WASHINGTON STATE UNIV	3,513	1,333	283	0	241	929	301	19	382	25

TABLE 8-14 CONT'D

FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
WASHINGTON										
WESTERN WASH STATE COL	162	0	10	0	0	87	15	0	50	0
TOTAL WASHINGTON	33,686	1,540	2,683	0	3,041	18,649	892	538	6,170	173
WEST VIRGINIA										
BETHANY COL	9	0	0	0	0	0	0	0	9	0
MARSHALL UNIV	35	0	0	0	0	0	0	0	35	0
WEST VIRGINIA INST TECH	638	0	0	0	0	0	0	0	0	638
WEST VIRGINIA UNIV	3,969	1,038	0	0	340	1,409	691	228	235	28
TOTAL WEST VIRGINIA	4,651	1,038	0	0	340	1,409	691	228	279	666
WISCONSIN										
LAWRENCE UNIV	44	0	0	0	0	25	0	0	19	0
MARQUETTE UNIV	734	0	50	0	117	338	33	0	196	0
MEDICAL COLLEGE OF WISC	1,686	0	0	0	0	1,643	0	0	43	0
UNIV OF WISC CEN SYS*	545	0	0	75	440	7	23	0	0	0
UNIV OF WISC PARKSIDE	18	0	0	0	0	0	0	0	18	0
UNIV OF WISCONSIN MADISON	32,815	1,599	2,983	0	1,010	15,321	340	1,603	4,803	5,156
UNIV OF WISCONSIN MILWAUK	350	0	8	0	0	48	0	0	178	116
WAUSHARA COUNTY TCHRS COL	6	0	0	0	0	6	0	0	0	0
WISC ST UNIV STEVENS PNT	8	0	0	0	0	8	0	0	0	0
WISC STATE UNIV OSHKOSH	6	0	0	0	0	0	0	0	6	0
WISC STATE UNIV RIVER FLL	3	0	0	0	0	3	0	0	0	0
TOTAL WISCONSIN	36,215	1,599	3,041	75	1,567	17,399	396	1,603	5,263	5,272
WYOMING										
UNIV OF WYOMING	1,962	556	72	15	21	231	551	117	399	0
TOTAL WYOMING	1,962	556	72	15	21	231	551	117	399	0
OUTLYING AREAS										
GUAM										
UNIVERSITY OF GUAM	46	0	0	0	0	0	46	0	0	0
TOTAL GUAM	46	0	0	0	0	0	46	0	0	0
PUERTO RICO										
UNIV OF P R CEN SYS*	958	0	958	0	0	0	0	0	0	0
UNIV OF P R MAYAGUEZ	1,593	1,502	0	0	0	34	57	0	0	0
UNIV OF P R RIO PIEDRAS	58	0	0	0	22	0	0	0	36	0
UNIV OF P R SAN JUAN	1,321	0	0	0	0	1,321	0	0	0	0
TOTAL PUERTO RICO	3,930	1,502	958	0	22	1,355	57	0	36	0
VIRGIN ISLANDS										
COL OF VIRGIN ISLANDS	129	0	0	0	0	3	0	87	39	0
TOTAL VIRGIN ISLANDS	129	0	0	0	0	3	0	87	39	0
UNITED STATES TOTAL	1,464,075	67,417	101,413	3,159	265,475	614,856	27,089	127,401	218,659	38,606

TABLE C-15

FEDERAL OBLIGATIONS FOR R&D PLANT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
ALABAMA										
U OF ALA IN TUSCALOOSA	30	0	0	0	0	0	0	0	30	0
TOTAL ALABAMA	30	0	0	0	0	0	0	0	30	0
ALASKA										
UNIV OF ALASKA	110	15	0	15	0	0	0	0	80	0
TOTAL ALASKA	110	15	0	15	0	0	0	0	80	0
ARIZONA										
UNIV OF ARIZONA	19	19	0	0	0	0	0	0	0	0
TOTAL ARIZONA	19	19	0	0	0	0	0	0	0	0
ARKANSAS										
UNIV OF ARK	49	0	0	0	0	0	0	0	49	0
TOTAL ARKANSAS	49	0	0	0	0	0	0	0	49	0
CALIFORNIA										
CAL INST OF TECH	191	0	129	0	0	0	0	0	62	0
CLAREMONT GRAD SCH & UNIV	47	0	0	0	0	0	0	0	47	0
SAN FRANCISCO STATE COL	4	0	0	0	0	4	0	0	0	0
STANFORD UNIV	966	0	21	0	0	35	0	0	910	0
UNIV OF CAL BERKELEY	25	0	0	0	0	0	0	0	25	0
UNIV OF CAL DAVIS	228	0	193	0	0	0	0	0	35	0
UNIV OF CAL IRVINE	2	0	0	0	0	0	0	0	2	0
UNIV OF CAL LOS ANGELES	1,439	0	437	0	0	2	0	0	1,000	0
UNIV OF CAL RIVERSIDE	40	0	0	0	0	0	0	0	40	0
UNIV OF CAL SAN DIEGO	30	0	0	0	0	0	0	0	30	0
UNIV OF CAL SANTA CRUZ	20	0	0	0	0	0	0	0	20	0
UNIV OF CAL CENTRAL SYS*	55	55	0	0	0	0	0	0	0	0
UNIV OF CAL SAN FRANCISCO	55	0	55	0	0	0	0	0	0	0
UNIV OF CAL SANTA BARBARA	10	0	0	0	0	0	0	0	10	0
UNIV OF SOUTHERN CAL	178	0	0	0	0	11	0	0	167	0
UNIV OF THE PACIFIC	10	0	0	0	0	0	0	0	10	0
TOTAL CALIFORNIA	3,300	55	835	0	0	52	0	0	2,358	0
COLORADO										
COLORADO SCH OF MINES	10	0	0	0	0	0	0	0	10	0
COLORADO STATE UNIV	457	1	0	0	0	15	0	0	441	0
UNIV OF COLORADO	216	0	212	0	0	4	0	0	0	0
UNIV OF DENVER	2	0	0	0	0	2	0	0	0	0
TOTAL COLORADO	685	1	212	0	0	21	0	0	451	0
CONNECTICUT										
UNIV OF CONNECTICUT	58	15	0	0	0	3	0	0	40	0
WESLEYAN UNIV	48	0	0	0	0	0	0	0	48	0
YALE UNIV	259	0	200	0	0	0	0	0	59	0
TOTAL CONNECTICUT	365	15	200	0	0	3	0	0	147	0
DELAWARE										
UNIV OF DELAWARE	10	10	0	0	0	0	0	0	0	0

ARKANSAS										
UNIV OF ARK	49	0	0	0	0	0	0	0	49	0
TOTAL ARKANSAS	49	0	0	0	0	0	0	0	49	0
CALIFORNIA										
CAL INST OF TECH	191	0	129	0	0	0	0	0	62	0
CLAREMONT GRAD SCH & UNIV	47	0	0	0	0	0	0	0	47	0
SAN FRANCISCO STATE COL	4	0	0	0	0	4	0	0	0	0
STANFORD UNIV	966	0	21	0	0	35	0	0	910	0
UNIV OF CAL BERKELEY	25	0	0	0	0	0	0	0	25	0
UNIV OF CAL DAVIS	228	0	193	0	0	0	0	0	35	0
UNIV OF CAL IRVINE	2	0	0	0	0	0	0	0	2	0
UNIV OF CAL LOS ANGELES	1,439	0	437	0	0	2	0	0	1,000	0
UNIV OF CAL RIVERSIDE	40	0	0	0	0	0	0	0	40	0
UNIV OF CAL SAN DIEGO	30	0	0	0	0	0	0	0	30	0
UNIV OF CAL SANTA CRUZ	20	0	0	0	0	0	0	0	20	0
UNIV OF CAL CENTRAL SYS*	55	55	0	0	0	0	0	0	0	0
UNIV OF CAL SAN FRANCISCO	55	0	55	0	0	0	0	0	0	0
UNIV OF CAL SANTA BARBARA	10	0	0	0	0	0	0	0	10	0
UNIV OF SOUTHERN CAL	178	0	0	0	0	11	0	0	167	0
UNIV OF THE PACIFIC	10	0	0	0	0	0	0	0	10	0
TOTAL CALIFORNIA	3,300	55	835	0	0	52	0	0	2,358	0
COLORADO										
COLORADO SCH OF MINES	10	0	0	0	0	0	0	0	10	0
COLORADO STATE UNIV	457	1	0	0	0	15	0	0	441	0
UNIV OF COLORADO	216	0	212	0	0	4	0	0	0	0
UNIV OF DENVER	2	0	0	0	0	2	0	0	0	0
TOTAL COLORADO	685	1	212	0	0	21	0	0	451	0
CONNECTICUT										
UNIV OF CONNECTICUT	58	15	0	0	0	3	0	0	40	0
WESLEYAN UNIV	48	0	0	0	0	0	0	0	48	0
YALE UNIV	259	0	200	0	0	0	0	0	59	0
TOTAL CONNECTICUT	365	15	200	0	0	3	0	0	147	0
DELAWARE										
UNIV OF DELAWARE	10	10	0	0	0	0	0	0	0	0
TOTAL DELAWARE	10	10	0	0	0	0	0	0	0	0
DIST OF COLUMBIA										
GALLAUDET COL	12	0	0	0	0	12	0	0	0	0
GEORGE WASHINGTON UNIV	27	0	0	0	0	27	0	0	0	0
TOTAL DISTRICT OF COLUMBIA	39	0	0	0	0	39	0	0	0	0
FLORIDA										
FLORIDA STATE UNIV	35	0	0	0	0	0	0	0	35	0
UNIV OF FLORIDA	517	34	0	0	0	0	0	0	483	0
UNIV OF MIAMI	48	0	11	3	0	0	0	0	34	0
UNIV OF SOUTH FLORIDA	11	0	0	0	0	5	0	0	6	0
TOTAL FLORIDA	611	34	11	3	0	5	0	0	558	0
GEORGIA										
GEORGIA INST OF TECH	24	0	2	0	0	0	0	0	22	0

TABLE C-15 CONT'D

FEDERAL OBLIGATIONS FOR R&D PLANT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
GEORGIA										
UNIV OF GEORGIA	1,195	31	0	0	0	0	0	0	1,164	0
TOTAL GEORGIA	1,219	31	2	0	0	0	0	0	1,186	0
HAWAII										
UNIV OF HAWAII	77	23	4	0	0	0	0	0	50	0
TOTAL HAWAII	77	23	4	0	0	0	0	0	50	0
IDAHO										
UNIV OF IDAHO	36	36	0	0	0	0	0	0	0	0
TOTAL IDAHO	36	36	0	0	0	0	0	0	0	0
ILLINOIS										
ILLINOIS INST OF TECH	20	0	0	0	0	0	0	0	20	0
NORTHWESTERN UNIV	25	0	0	0	0	0	0	0	25	0
UNIV OF CHICAGO	310	0	278	0	0	2	0	0	30	0
UNIV OF ILLINOIS-CHGO CIR	100	0	0	0	0	0	0	0	100	0
UNIV OF ILLINOIS-MED CTR	4	0	0	0	0	4	0	0	0	0
UNIV OF ILLINOIS-URBANA	519	41	352	0	0	4	0	0	122	0
TOTAL ILLINOIS	978	41	630	0	0	10	0	0	297	0
INDIANA										
INDIANA UNIV-BLOOMINGTON	1,102	0	0	0	0	0	0	0	1,102	0
PURDUE UNIV	134	56	0	0	0	0	0	0	78	0
UNIV OF NOTRE DAME	227	0	195	0	0	0	0	0	32	0
TOTAL INDIANA	1,463	56	195	0	0	0	0	0	1,212	0
IOWA										
UNIV OF IOWA	69	0	0	0	0	2	0	0	67	0
TOTAL IOWA	69	0	0	0	0	2	0	0	67	0
KANSAS										
KANSAS STATE UNIV	124	35	77	0	0	0	0	0	12	0
UNIV OF KANSAS	26	0	15	0	0	11	0	0	0	0

UNIV OF IDAHO	36	36	0	0	0	0	0	0	0	0
TOTAL IDAHO	36	36	0	0	0	0	0	0	0	0
ILLINOIS										
ILLINOIS INST OF TECH	20	0	0	0	0	0	0	0	20	0
NORTHWESTERN UNIV	25	0	0	0	0	0	0	0	25	0
UNIV OF CHICAGO	310	0	278	0	0	2	0	0	30	0
UNIV OF ILLINOIS-CHGO CIR	100	0	0	0	0	0	0	0	100	0
UNIV OF ILLINOIS-MED CTR	4	0	0	0	0	4	0	0	0	0
UNIV OF ILLINOIS-URBANA	519	41	352	0	0	4	0	0	122	0
TOTAL ILLINOIS	978	41	630	0	0	10	0	0	297	0
INDIANA										
INDIANA UNIV-BLOOMINGTON	1,102	0	0	0	0	0	0	0	1,102	0
PURDUE UNIV	134	56	0	0	0	0	0	0	78	0
UNIV OF NOTRE DAME	227	0	195	0	0	0	0	0	32	0
TOTAL INDIANA	1,463	56	195	0	0	0	0	0	1,212	0
IOWA										
UNIV OF IOWA	69	0	0	0	0	2	0	0	67	0
TOTAL IOWA	69	0	0	0	0	2	0	0	67	0
KANSAS										
KANSAS STATE UNIV	124	35	77	0	0	0	0	0	12	0
UNIV OF KANSAS	26	0	15	0	0	11	0	0	0	0
TOTAL KANSAS	150	35	92	0	0	11	0	0	12	0
KENTUCKY										
THOMAS MORE COL	57	0	0	0	0	0	0	0	57	0
UNIV OF KENTUCKY	67	29	0	0	0	10	0	0	28	0
UNIV OF LOUISVILLE	1	0	0	0	0	1	0	0	0	0
TOTAL KENTUCKY	125	29	0	0	0	11	0	0	85	0
LOUISIANA										
LA ST UNIV BATON ROUGE	292	42	0	0	0	0	0	0	250	0
TOTAL LOUISIANA	292	42	0	0	0	0	0	0	250	0
MAINE										
UNIV OF MAINE ORONO	21	21	0	0	0	0	0	0	0	0
TOTAL MAINE	21	21	0	0	0	0	0	0	0	0
MARYLAND										
JOHNS HOPKINS UNIV	76	0	4	0	0	0	0	0	72	0
UNIV OF MARYLAND	252	37	160	0	0	0	0	0	55	0
TOTAL MARYLAND	328	37	164	0	0	0	0	0	127	0
MASSACHUSETTS										
BOSTON UNIV	130	0	0	0	0	10	0	0	120	0
CLARK UNIV	297	0	0	0	0	0	0	0	297	0
HARVARD UNIV	349	0	203	0	0	0	0	0	146	0
MASS INST OF TECH	1,784	0	1,586	0	0	0	0	0	198	0

TABLE C-15 CONT'D

FEDERAL OBLIGATIONS FOR R&D PLANT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
MASSACHUSETTS										
NORTHEASTERN UNIV	10	0	0	0	0	0	0	0	10	0
TUFTS UNIV	23	0	0	0	0	0	0	0	23	0
UNIV OF MASSACHUSETTS	37	0	0	0	0	0	0	0	37	0
WOODS HOLE OCEAN INST	31	0	0	0	0	0	0	0	31	0
WORCESTER POLYTECH INST	220	0	0	0	0	0	0	0	220	0
TOTAL MASSACHUSETTS	2,881	0	1,789	0	0	10	0	0	1,082	0
MICHIGAN										
MICHIGAN STATE UNIV	280	45	197	0	0	16	0	0	22	0
UNIV OF MICHIGAN	601	0	452	0	0	0	0	0	149	0
WESTERN MICH UNIV	5	0	0	0	0	0	0	0	5	0
TOTAL MICHIGAN	886	45	649	0	0	16	0	0	176	0
MINNESOTA										
UNIV OF MINNESOTA	194	0	166	0	0	11	0	0	17	0
TOTAL MINNESOTA	194	0	166	0	0	11	0	0	17	0
MISSISSIPPI										
UNIV OF MISSISSIPPI	15	0	0	0	0	0	0	0	15	0
TOTAL MISSISSIPPI	15	0	0	0	0	0	0	0	15	0
MISSOURI										
UNIV OF MISSOURI COLUMBIA	119	0	0	0	0	8	0	0	111	0
UNIV OF MISSOURI ROLLA	480	0	0	0	0	0	0	0	480	0
WASHINGTON UNIV	93	0	0	0	0	0	0	0	93	0
TOTAL MISSOURI	692	0	0	0	0	8	0	0	684	0
MONTANA										
MONTANA STATE UNIV	13	0	0	0	0	0	0	0	13	0
TOTAL MONTANA	13	0	0	0	0	0	0	0	13	0

MINNESOTA										
UNIV OF MINNESOTA	194	0	166	0	0	11	0	0	17	0
TOTAL MINNESOTA	194	0	166	0	0	11	0	0	17	0
MISSISSIPPI										
UNIV OF MISSISSIPPI	15	0	0	0	0	0	0	0	15	0
TOTAL MISSISSIPPI	15	0	0	0	0	0	0	0	15	0
MISSOURI										
UNIV OF MISSOURI COLUMBIA	119	0	0	0	0	8	0	0	111	0
UNIV OF MISSOURI ROLLA	480	0	0	0	0	0	0	0	480	0
WASHINGTON UNIV	93	0	0	0	0	0	0	0	93	0
TOTAL MISSOURI	692	0	0	0	0	8	0	0	684	0
MONTANA										
MONTANA STATE UNIV	13	0	0	0	0	0	0	0	13	0
TOTAL MONTANA	13	0	0	0	0	0	0	0	13	0
NEBRASKA										
UNIV OF NEBRASKA-LINCOLN	25	0	0	0	0	0	0	0	25	0
TOTAL NEBRASKA	25	0	0	0	0	0	0	0	25	0
NEVADA										
UNIV OF NEV RENO CAMPUS	15	0	0	0	0	0	0	0	15	0
TOTAL NEVADA	15	0	0	0	0	0	0	0	15	0
NEW HAMPSHIRE										
DARTMOUTH COL	166	0	0	0	0	0	0	0	166	0
UNIV OF N H DURHAM	8	8	0	0	0	0	0	0	0	0
TOTAL NEW HAMPSHIRE	174	8	0	0	0	0	0	0	166	0
NEW JERSEY										
PRINCETON UNIV	147	0	34	0	0	0	0	0	113	0
RUTGERS UNIVERSITY	29	21	0	0	0	0	0	0	8	0
STEVENS INST OF TECH	13	0	13	0	0	0	0	0	0	0
TOTAL NEW JERSEY	189	21	47	0	0	0	0	0	121	0
NEW MEXICO										
NEW MEXICO STATE UNIV	35	0	0	0	0	0	0	0	35	0
UNIV OF NEW MEXICO	300	0	0	0	0	0	0	0	300	0
TOTAL NEW MEXICO	335	0	0	0	0	0	0	0	335	0
NEW YORK										
COLUMBIA UNIV †	593	0	340	0	0	31	0	0	222	0
CORNELL UNIV	56	47	9	0	0	0	0	0	0	0
CUNY HUNTER COL	20	0	0	0	0	0	0	0	20	0

TABLE C-15 · CONT'D

FEDERAL OBLIGATIONS FOR R&D PLANT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
NEW YORK										
NEW YORK UNIV	551	0	451	0	0	6	0	0	94	0
POLYTECHNIC INST OF BKLYN	5	0	5	0	0	0	0	0	0	0
RENSSELAER POLYTECH INST	85	0	80	0	0	0	0	0	5	0
SUNY CENTRAL SYSTEM*	1	0	0	0	0	1	0	0	0	0
SUNY ST U ALBANY	750	0	0	0	0	0	0	0	750	0
SUNY ST U STONY BROOK	3	0	3	0	0	0	0	0	0	0
SYRACUSE UNIV	27	0	0	0	0	4	0	0	23	0
UNIV OF ROCHESTER	857	0	218	0	0	0	0	0	639	0
YESHIVA UNIV	30	0	0	0	0	30	0	0	0	0
TOTAL NEW YORK	2,978	47	1,106	0	0	72	0	0	1,753	0
NORTH CAROLINA										
DUKE UNIV	250	0	201	0	0	0	0	0	49	0
N C AGRIC & TECH ST UNIV	175	0	0	0	0	0	0	0	175	0
N C STATE UNIV AT RALEIGH	7	7	0	0	0	0	0	0	0	0
UNIV OF N C AT CHAP HILL	17	0	0	0	0	0	0	0	17	0
TOTAL NORTH CAROLINA	449	7	201	0	0	0	0	0	241	0
NORTH DAKOTA										
NORTH DAKOTA STATE UNIV	36	14	0	0	0	0	0	0	22	0
UNIV OF NORTH DAKOTA	1	0	0	0	0	1	0	0	0	0
TOTAL NORTH DAKOTA	37	14	0	0	0	1	0	0	22	0
OHIO										
CASE WESTERN RESERVE UNIV	40	0	0	0	0	0	0	0	40	0
KENT STATE UNIV	22	0	0	0	0	0	0	0	22	0
OHIO STATE UNIV	54	54	0	0	0	0	0	0	0	0
OHIO UNIV	252	0	172	0	0	0	0	0	80	0
TOTAL OHIO	368	54	172	0	0	0	0	0	142	0
OKLAHOMA										
OKLAHOMA STATE UNIV	62	27	0	0	0	0	0	0	35	0
UNIV OF OKLAHOMA	32	0	0	0	0	0	0	0	32	0
TOTAL OKLAHOMA	94	27	0	0	0	0	0	0	67	0
OREGON										
OREGON STATE UNIV	151	11	64	0	0	0	0	0	76	0

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NORTH CAROLINA										
DUKE UNIV	250	0	201	0	0	0	0	0	49	0
N C AGRIC & TECH ST UNIV	175	0	0	0	0	0	0	0	175	0
N C STATE UNIV AT RALEIGH	7	7	0	0	0	0	0	0	0	0
UNIV OF N C AT CHAP HILL	17	0	0	0	0	0	0	0	17	0
TOTAL NORTH CAROLINA	449	7	201	0	0	0	0	0	241	0
NORTH DAKOTA										
NORTH DAKOTA STATE UNIV	36	14	0	0	0	0	0	0	22	0
UNIV OF NORTH DAKOTA	1	0	0	0	0	1	0	0	0	0
TOTAL NORTH DAKOTA	37	14	0	0	0	1	0	0	22	0
OHIO										
CASE WESTERN RESERVE UNIV	40	0	0	0	0	0	0	0	40	0
KENT STATE UNIV	22	0	0	0	0	0	0	0	22	0
OHIO STATE UNIV	54	54	0	0	0	0	0	0	0	0
OHIO UNIV	252	0	172	0	0	0	0	0	80	0
TOTAL OHIO	368	54	172	0	0	0	0	0	142	0
OKLAHOMA										
OKLAHOMA STATE UNIV	62	27	0	0	0	0	0	0	35	0
UNIV OF OKLAHOMA	32	0	0	0	0	0	0	0	32	0
TOTAL OKLAHOMA	94	27	0	0	0	0	0	0	67	0
OREGON										
OREGON STATE UNIV	151	11	64	0	0	0	0	0	76	0
U OREGON MEDICAL SCHOOL	5	0	0	0	0	5	0	0	0	0
UNIV OF OREGON AT EUGENE	1,003	0	0	0	0	14	0	0	989	0
TOTAL OREGON	1,159	11	64	0	0	19	0	0	1,065	0
PENNSYLVANIA										
ALBRIGHT COL	35	0	0	0	0	0	0	0	35	0
BUCKNELL UNIV	395	0	0	0	0	0	0	0	395	0
DREXEL UNIVERSITY	498	0	0	0	0	0	0	0	498	0
LEHIGH UNIV	16	0	0	0	0	0	0	0	16	0
MARY IMMACULATE SEM & COL	1	0	0	0	0	1	0	0	0	0
PENNSYLVANIA STATE UNIV	71	69	0	0	0	2	0	0	0	0
SUSQUEHANNA UNIV	20	0	0	0	0	0	0	0	20	0
SWARTHMORE COL	10	0	0	0	0	0	0	0	10	0
TEMPLE UNIV	2	0	0	0	0	2	0	0	0	0
UNIV OF PENNSYLVANIA	1,776	0	56	0	0	1	0	0	1,719	0
UNIV OF PITTSBURGH	1	0	0	0	0	1	0	0	0	0
VILLANOVA UNIV	13	0	0	0	0	0	0	0	13	0
TOTAL PENNSYLVANIA	2,838	69	56	0	0	7	0	0	2,706	0
RHODE ISLAND										
UNIV OF RHODE ISLAND	226	7	0	0	0	0	0	0	219	0
TOTAL RHODE ISLAND	226	7	0	0	0	0	0	0	219	0
SOUTH CAROLINA										
CLEMSON UNIV	46	46	0	0	0	0	0	0	0	0
UNIV OF SOUTH CAROLINA	31	0	0	0	0	0	0	0	31	0
TOTAL SOUTH CAROLINA	77	46	0	0	0	0	0	0	31	0
SOUTH DAKOTA										
SOUTH DAKOTA STATE UNIV	33	33	0	0	0	0	0	0	0	0

TABLE C-15 CONT'D

FEDERAL OBLIGATIONS FOR R&D PLANT
TO ALL UNIVERSITIES AND COLLEGES BY
STATE, INSTITUTION, AND AGENCY, FISCAL YEAR 1970
(THOUSANDS OF DOLLARS)

STATE AND INSTITUTION	TOTAL	AGR	AEC	COM	DOD	HEW	INT	NASA	NSF	OTHER
SOUTH DAKOTA										
TOTAL SOUTH DAKOTA	33	33	0	0	0	0	0	0	0	0
TENNESSEE										
GEORGE PEABODY COL TCHRS	3	0	0	0	0	3	0	0	0	0
UNIV OF TENN AT KNOXVILLE	745	75	119	0	0	5	0	0	546	0
VANDERBILT UNIV	26	0	0	0	0	0	0	0	26	0
TOTAL TENNESSEE	774	75	119	0	0	8	0	0	572	0
TEXAS										
RICE UNIV	40	0	0	0	0	0	0	0	40	0
SOUTHERN METHODIST UNIV	69	0	0	0	0	0	0	0	69	0
TEXAS A & M UNIV	145	66	79	0	0	0	0	0	0	0
TEXAS TECH UNIVERSITY	7	0	7	0	0	0	0	0	0	0
UNIV OF HOUSTON	43	0	0	0	0	0	0	0	43	0
UNIV OF TEXAS AT AUSTIN	265	0	0	0	0	0	0	0	265	0
UNIV OF TEXAS CEN SYS*	13	0	0	0	0	13	0	0	0	0
TOTAL TEXAS	582	66	86	0	0	13	0	0	417	0
UTAH										
UNIV OF UTAH	177	0	76	0	0	0	0	0	101	0
TOTAL UTAH	177	0	76	0	0	0	0	0	101	0
VERMONT										
UNIV OF VERMONT	28	0	0	0	0	0	0	0	28	0
TOTAL VERMONT	28	0	0	0	0	0	0	0	28	0
VIRGINIA										
HOLLINS COL	2	0	0	0	0	2	0	0	0	0
ROANOKE COL	11	0	11	0	0	0	0	0	0	0
UNIV OF VIRGINIA	38	0	0	0	0	0	0	0	38	0
VIRGINIA POLYTECHNIC INST	36	0	0	0	0	0	0	0	36	0
TOTAL VIRGINIA	87	0	11	0	0	2	0	0	74	0
WASHINGTON										
UNIV OF PUGET SOUND	8	0	0	0	0	8	0	0	0	0
UNIV OF WASHINGTON	140	0	26	0	0	0	0	0	114	0
WASHINGTON STATE UNIV	24	0	24	0	0	0	0	0	0	0
TOTAL WASHINGTON	172	0	50	0	0	8	0	0	114	0

RICE UNIV	40	0	0	0	0	0	0	0	40	0
SOUTHERN METHODIST UNIV	69	0	0	0	0	0	0	0	69	0
TEXAS A & M UNIV	145	66	79	0	0	0	0	0	0	0
TEXAS TECH UNIVERSITY	7	0	7	0	0	0	0	0	0	0
UNIV OF HOUSTON	43	0	0	0	0	0	0	0	43	0
UNIV OF TEXAS AT AUSTIN	265	0	0	0	0	0	0	0	265	0
UNIV OF TEXAS CEN SYS*	13	0	0	0	0	13	0	0	0	0
TOTAL TEXAS	582	66	86	0	0	13	0	0	417	0
UTAH										
UNIV OF UTAH	177	0	76	0	0	0	0	0	101	0
TOTAL UTAH	177	0	76	0	0	0	0	0	101	0
VERMONT										
UNIV OF VERMONT	28	0	0	0	0	0	0	0	28	0
TOTAL VERMONT	28	0	0	0	0	0	0	0	28	0
VIRGINIA										
HOLLINS COL	2	0	0	0	0	2	0	0	0	0
ROANOKE COL	11	0	11	0	0	0	0	0	0	0
UNIV OF VIRGINIA	38	0	0	0	0	0	0	0	38	0
VIRGINIA POLYTECHNIC INST	36	0	0	0	0	0	0	0	36	0
TOTAL VIRGINIA	87	0	11	0	0	2	0	0	74	0
WASHINGTON										
UNIV OF PUGET SOUND	8	0	0	0	0	8	0	0	0	0
UNIV OF WASHINGTON	140	0	26	0	0	0	0	0	114	0
WASHINGTON STATE UNIV	24	0	24	0	0	0	0	0	0	0
TOTAL WASHINGTON	172	0	50	0	0	8	0	0	114	0
WEST VIRGINIA										
BLUEFIELD STATE COL	30	0	0	0	0	0	0	0	30	0
WEST VIRGINIA UNIV	944	0	0	0	0	0	0	0	944	0
TOTAL WEST VIRGINIA	974	0	0	0	0	0	0	0	974	0
WISCONSIN										
INST OF PAPER CHEMISTRY	150	0	0	0	0	0	0	0	150	0
LAWRENCE UNIV	32	0	0	0	0	0	0	0	32	0
UNIV OF WISCONSIN MADISON	794	0	143	0	0	12	0	0	639	0
TOTAL WISCONSIN	976	0	143	0	0	12	0	0	821	0
WYOMING										
UNIV OF WYOMING	17	17	0	0	0	0	0	0	0	0
TOTAL WYOMING	17	17	0	0	0	0	0	0	0	0
OUTLYING AREAS										
PUERTO RICO										
UNIV OF P R CEN SYS*	62	0	62	0	0	0	0	0	0	0
UNIV OF P R MAYAGUEZ	70	70	0	0	0	0	0	0	0	0
TOTAL PUERTO RICO	132	70	62	0	0	0	0	0	0	0
UNITED STATES TOTAL	27,573	1,117	7,142	18	0	341	0	0	18,955	0

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